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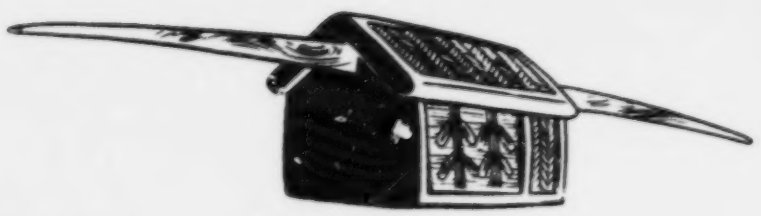
PNE-910F
FINAL REPORT

Plowshare civil, industrial and scientific uses for nuclear explosives

UNITED STATES ATOMIC ENERGY COMMISSION / PLOWSHARE PROGRAM

NEVADA TEST SITE

MASTER



Galanquin

Final Report of Off-Site Surveillance

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U.S. Public Health Service
Las Vagas, Nevada

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PNE-910F
NUCLEAR EXPLOSIONS—PEACEFUL
APPLICATIONS (TID-4500)

FINAL REPORT OF OFF-SITE SURVEILLANCE FOR PROJECT PALANQUIN

by
Environmental Surveillance
Southwestern Radiological Health Laboratory

U. S. Department of Health, Education, and Welfare
Public Health Service
Environmental Health Service
Environmental Control Administration
Bureau of Radiological Health

May 1970

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Grateful appreciation for assigning certain of their personnel to the Off-Site Surveillance Section for assistance during Project Palanquin is extended to the USPHS Northeastern Radiological Health Laboratory (NERHL) and the Southeastern Radiological Health Laboratory (SERHL).

The assistance and cooperation of the state health departments of Utah, Idaho, Wyoming, Montana, Oregon, and Washington, essential to the completion of the surveillance project, is greatly appreciated.

Special appreciation is extended to the many off-site residents for their invaluable contribution of time in providing milk, water, and vegetation samples and to those who agreed to participate in the whole body counting experiment.

ABSTRACT

The Public Health Service provided off-site surveillance in support of the Palanquin event conducted on April 14, 1965. This support consisted of tracking the effluent, monitoring radiation dosage to the off-site population, and collecting environmental samples (air, milk, water, and vegetation). The maximum off-site net gamma dose rate observed was 3 mR/hr and the maximum exposure on any film badge was 45 mR. The maximum concentrations of fresh fission products found on any air filter at an off-site populated location were 23,000 pCi/m^3 of gross beta and 3400 pCi/m^3 of ^{131}I. The maximum concentration of ^{131}I found in a milk sample was 11,000 pCi/l and the maximum ^{131}I found in a water supply used for human consumption was 70 pCi/l. Selected off-site residents were brought to Las Vegas for whole body counting and the maximum measured thyroid exposure was 162 mR. Analyses of radiological data indicate that radioactive effluent arising from this event did not present any health hazard to the off-site population, based on presently accepted safety criteria established by the U. S. Atomic Energy Commission.

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INTRODUCTION

Project Palanquin was a nuclear experiment in hard, dry rhyolite rock executed as part of the Plowshare program for development of nuclear excavation. Palanquin was fired on April 14, 1965 at approximately 0514.0105 (PST), 1314.0105 (GMT), in Area 20, Nevada Test Site. The resultant yield was 4.3 $\pm$ .4 kt. The emplacement hole was U20K at geodetic coordinates

Longitude	W 116° 31' 24.8012"
Latitude	N 37° 16' 49.3501"

The resultant average crater dimensions are:

(1)	Crater Radius	36.31 meters	119.13 ft.
(2)	Crater Depth	24.01 meters	78.8 ft.
(3)	Crater Lip Height	6.47 meters	21.22 ft.
(4)	Lip Crest Radius	44.66 meters	146.53 ft.
(5)	Ejecta Boundary	81.63 meters	267.83 ft.
(6)	Lip Volume, Apparent	98,757 cubic meters	131,260 yd^3
(7)	Crater Volume, Apparent	35,569 cubic meters	46,802 yd^3

A cloud rise of about 9500 feet mean sea level (MSL) occurred within ten minutes after H-Hour and by H+1 hour had risen to about 11,000 feet MSL. Light, southerly winds subsequently carried the cloud debris northward into the off-site area.

The subject of this report is the off-site surveillance provided by the Public Health Service (PHS) for the U. S. Atomic Energy Commission (AEC) in support of the Palanquin event. Under a Memorandum of Understanding with the AEC, the PHS conducts a program of radiological monitoring and environmental sampling in the off-site area

surrounding the Nevada Test Site and the Nellis Air Force Range. The overall complex of the Nevada Test Site (NTS) and the Nellis Air Force Range (NAFR) includes the Nuclear Rocket Development Station (NRDS) and the Tonopah Test Range (TTR) and for simplicity will be called the test range complex throughout this report.

I. OPERATIONAL PROCEDURES

Since it was anticipated in advance that some radioactivity would be released as a result of the Palanquin event, and since this material was to be released to a designated sector between 325° and 030° from Ground Zero, surveillance operations were intensified in the predesignated downwind sector.

A. EXTERNAL MEASUREMENTS

1. Ground Monitoring

Ground monitors tracked the effluent cloud with portable radiation detection instruments. Each monitor was equipped with the following instruments: Eberline E-500B, Precision Model 111 Standard "Scintillator", and Victoreen Radector Model No. AGB-50B-SR.

The Eberline E-500B has a range of 0 to 200 milliroentgens per hour (mR/hr) beta-gamma over four linear scales with an external halogen filled GM tube detector and a 0 to 2000 mR/hr gamma only range from an internal Anton 302 tube detector. The Precision Model 111 Standard "Scintillator" is used primarily for low level gamma detection and provides for a range of 0 to 5 mR/hr over six linear scales. The Radector has a range of 0.05 to 50,000 mR/hr over two logarithmic scales. This instrument employs an inert gas ionization chamber as the detector. The above instruments are generally accurate to within ±20% as calibrated with ^{137}Cs, and can be read to two significant figures.

2. Aerial Cloud Tracking

An Air Force U3-A aircraft, manned by two PHS monitors equipped with portable instruments identical to those of the ground monitors, tracked the effluent cloud to assist in positioning ground monitors. Two PHS C-45 aircraft containing various sampling and measurement equipment were also used as aids in cloud tracking.

3. Dose Rate Recorders

Eberline Model RM-11 dose rate recorders were placed at 25 locations around the test range complex. These recorders utilize a Geiger tube detector to document radiation levels at specific locations. The instrument has a 0.01 to 100 mR/hr range on a 5-cycle log scale and the gamma dose rate is recorded on a 30 hour strip chart. These recorders are generally accurate to within $\pm$ 20% as calibrated with a ^{137}Cs source. The locations of dose rate recorders used in Nevada are shown in Figure 1. The stations not shown are in Shoshone, California and St. George and Garrison, Utah.

4. Film Badges and Dosimetry

The PHS routinely maintains 76 film badge stations off the test range complex and assigns badges to approximately 165 off-site residents. For this event, an additional 110 two badge stations, eleven one badge stations and three four badge stations were located at one-half mile intervals along Hwys. 25 and 6 from 7 miles south of Diablo to Warm Springs. The badge used is DuPont type 555 film. This film is accurate to $\pm$ 50% in the 20 to 100 mR range and $\pm$10% in the 100 to 2000 mR range. The lower limit of detection is 20 mR.

B. ENVIRONMENTAL MEASUREMENTS

1. Air Samples

On test day, the AEC-PHS Air Surveillance Network consisted of 85 Gelman "Tempest" air samplers operating continuously at off-site locations with one or more samplers located in each state west of the Mississippi River except Montana and North Dakota. These stations were supplemented by 17 additional air samplers placed in the downwind sector within 200 miles of the test range complex. The "Tempest" air sampler used by the SWRHL employs a Gast Model 1550 vacuum pump driven by a General Electric 1/2 horsepower motor. The pump runs at 1440 rpm and draws an average flow rate of approximately 10 cfm. The sampler is equipped to use a 4" diameter filter paper and an MSA charcoal cartridge. The Air Surveillance Network employs Whatman 541 filter paper for routine air sampling. The total volume of air samples is calculated from an average vacuum reading (which in turn indicates the average flow rate) and the total time of sampling.

Air sampling stations utilized during Palanquin surveillance activities are shown in Figures 1 and 3. In addition to these samplers, each mobile monitoring team was equipped with portable, generator powered air samplers utilizing identical filters as the "Tempest". The air mover in this system consists of a Gast Model No. 0740 positive displacement pressure-vacuum pump coupled to a Rockwell Model No. 415 gas meter for precise measurement of air flow. Flow rate of these systems averages about 6 cfm. The gas meters have individual intrinsic error values which are known and which vary with flow rate. At 6 cfm, these meters are accurate to within $\pm$0.25%. Total air volume can be determined to within 0.01 cubic foot.

All air sample filter papers and charcoal cartridges collected for this event were returned to the Southwestern Radiological Health Laboratory in Las Vegas for radiological analyses. Filters were

counted for gross beta activity in a Beckman "Wide Beta" low background (6±1 cpm beta) proportional system which has an efficiency of approximately 45% for 0.54 Mev betas. After an initial count, if no significant activity is detected, the filters are counted at five and twelve days after collection. In all other cases, filters are recounted a minimum of three times in the first 48 hours following collection. The computational procedure employed depends upon the assumption that a decay constant can be determined for each individual sample and that this constant can then be used to extrapolate the activity to the end of the collection period.

Filter papers and charcoal cartridges were analyzed for gamma isotopes by placing them directly on a 4"x 4" NaI(Tl) crystal coupled to a TMC Model 404 C gamma pulse height analyzer viewing energies from 0 to 2 Mev. Since it was not possible to define duration of cloud passage at all locations, reported values given as pCi-sec/m^3 represent the integrated air concentration. This value is obtained as follows:

$$\frac{\text{(activity in pCi) (sampling time in seconds)}}{\text{sample volume in } m^3} = \text{integrated air concentration (pCi-sec/}m^3\text{).}$$

Detection capability of the system as shown in Table 1 is an empirical estimate obtained from previous data collected under the following assumptions:

a. Count time in days after fissioning as indicated by footnotes.

b. Filters collect unfractionated fission products resulting in a complex spectrum.

c. MSA charcoal collects gaseous fission products only (primarily iodines).

d. An eight isotope matrix is employed for computation and isotopes other than those examined are present in amounts which are small relative to those eight.

e. Natural activity on air samples is approximately five times system background.

Table 1. Threshold detectability at time of count of several radionuclides in various samples (90% confidence level).

Sample Type	^{131}I	^{132}Te-I	^{133}I	^{135}I	^{140}Ba-La	Length of Count	Notes
Whatman No. 541	500	1000	500	1000	500	10 min	1
(pCi)	200	-	200	-	200	10 min	2
MSA Charcoal	200	400	200	400	200	10 min	1
(pCi)	100	-	100	-	100	10 min	2
3.5 liter water* (pCi/l)	20	40-50	20-30	40-50	20	40 min	4
3.5 liter milk* (pCi/l)	20	-	20-30	-	20	40 min	3

*Counted in 3.5 liter inverted well (Marinelli) aluminum beakers.
1 - counted at less than 3 days after fissioning.
2 - counted at 3 days or more after fissioning.
3 - with ^{137}Cs = 100 pCi.
4 - assuming insignificant amounts of other nuclides, and all given isotopes at about detection limits to approximately 10 times the lower limit.

Although the minimum detectable levels for water samples involve the limitations listed in (d) above, the situation is usually simplified by having no background other than that of the system. For a sample containing all of the isotopes of iodine, the error term on threshold values at the 95% confidence level is approximately equal to $\pm$50%.

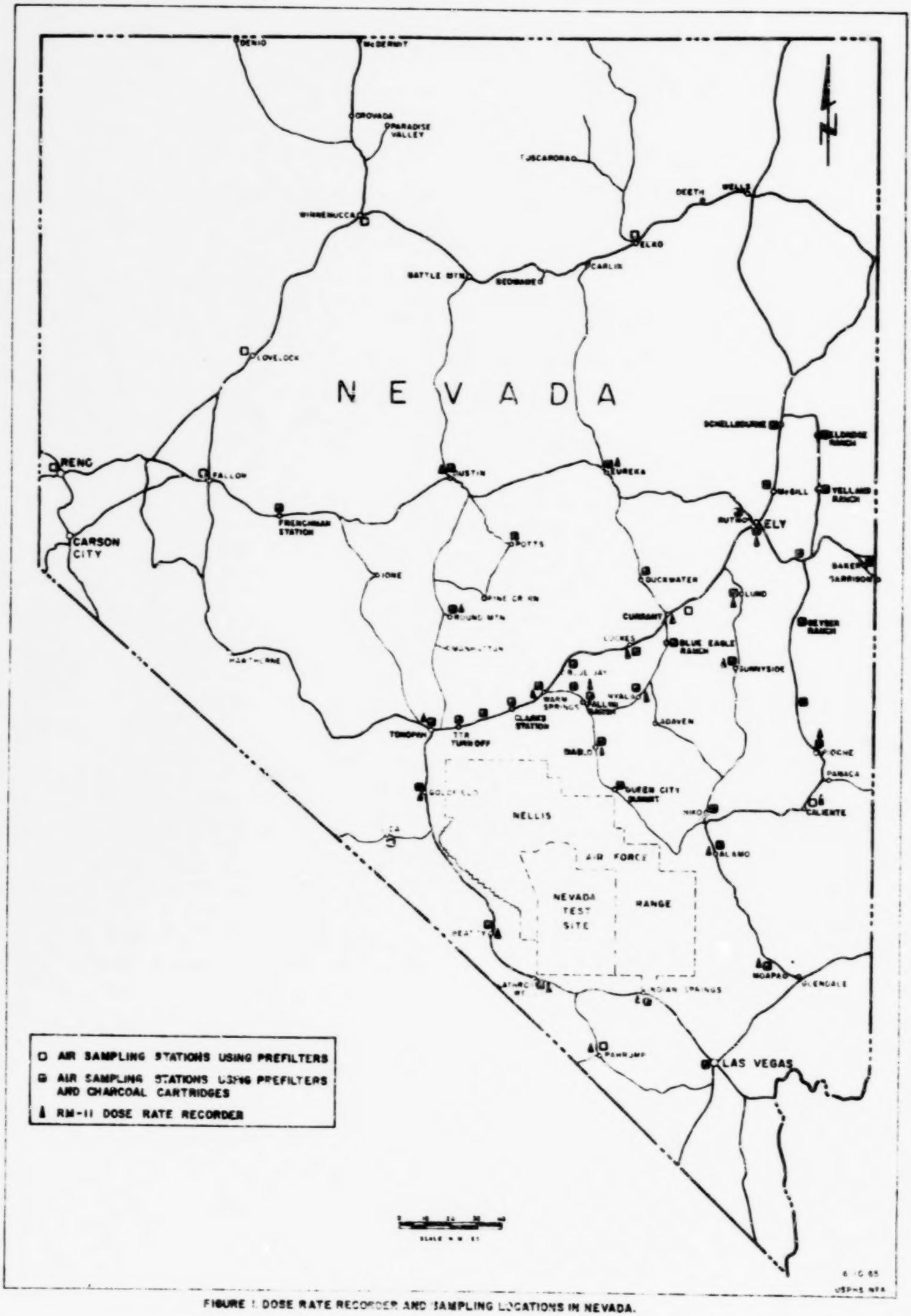

FIGURE 1. DOSE RATE RECORDER AND SAMPLING LOCATIONS IN NEVADA.

Biological discrimination will limit the number of isotopes present in a milk sample. Under normal sampling procedures, this discrimination coupled with the short physical half-life will tend to eliminate ^{132}I and ^{135}I from the sample by the time it is counted. At the 95% confidence level reported values for milk are ±10 pCi/l or 10% at the time of count whichever is greater for a 40 minute count.

2. Vegetation Samples

Vegetation samples were collected in support of this event for two reasons: (1) to indicate cloud pattern, especially width, and (2) to serve as an indicator of where milk samples should be obtained. For these reasons, and since it was not practical to determine radiation concentrations for vegetation in order to compare to Radiation Concentration Guides (RCG), results for vegetation samples are given as fresh fission products (especially radioiodine) present or non-detectable. At the time of the event, most dairy cattle in the fallout sector were being fed dry, stored feed. Samples of this feed were obtained so as to be representative of the cows' feed. At certain locations cows were grazing on open pasture and vegetation was sampled from most of these locations.

3, Milk and Water Samples

After any release of radioactive material from the NTS, milk samples are collected from dairies (processing plants), producing dairy farms, and farms producing milk for their own consumption.

All liquid samples are counted in 3.5-liter inverted well aluminum beakers which are placed on top of a 4"x 4" crystal coupled to a 400-channel gamma pulse height analyzer.

Water samples are analyzed for gross beta activity by slowly evaporating an aliquot to dryness in a 2" diameter stainless steel planchet and counting the beta activity in a low background counter.

C. INTERNAL MEASUREMENTS

1. In Vivo Body Counting

A number of off-site residents were measured for the possible presence of radioisotopes following the Palanquin event. This aided in checking predicted, theoretical doses due to a contaminating event. It was possible to whole body count 37 off-site residents from locations in the fallout sector where milk samples were being obtained.

The whole body counting facility consists of two railroad cars, one supporting an 80-ton shield and the other containing office space and counting preparation accessories. The counting shield contains an 11" x 4" sodium iodide crystal with seven photomultiplier tubes and a small 3" collimated sodium iodide crystal for high count rates. The large crystal is supported on rails along the ceiling of the chamber and can be positioned anywhere in the chamber. The crystal is calibrated for several different positions and geometries

including total body potassium, ^{131}I, ^{133}I, (simulated with ^{85}Sr) and ^{135}I (simulated with ^{60}Co) in the thyroid, photopeak efficiency vs. energy curves for lung burdens, etc. The sensitivity of the device is such that millirad doses of short half life iodines (^{133}I, ^{135}I) can be readily measured. Total body potassium can be measured accurately with 10-minute counts. The output from the crystals is fed into a TMC Model 404C gamma pulse height analyzer which has as accessories an x-y plotter, paper tape output and input, and typewriter output. All data are reduced manually.

II. RESULTS

The Palanquin event resulted in radioactive materials being deposited in the off-site area. Radiation monitors standing by in the downwind sector were positioned according to data obtained from aerial and on-site ground monitors, and the U. S. Weather Bureau. Wind speeds and directions for a period following detonation are shown in Table 2.

Table 2. Meteorological data for the Palanquin event. Upper air data from Pahute Mesa on April 14, 1965.

Height (Ft. MSL) Surface	Wind direction and speed(Deg/Kts) at times indicated(Hrs PST)			
	0514	0705	1600	1630
6200	175/05	180/07	190/05	180/04
7000	170/06	180/07	200/08	190/08
8000	190/06	180/10	190/10	190/09
9000	180/03	180/07	170/06	180/07
10000	160/02	170/04	170/04	180/07
11000	250/04	190/05	230/03	180/05
12000	290/03	Calm	020/02	140/01
13000	330/02	Calm	020/01	050/01
14000	330/04	300/03	310/03	310/05
15000	300/06	310/08	310/07	300/06

A. AERIAL MONITORING

The cloud tracking mission of the U3-A aircraft was conducted from 0514 to 1120 hours PST. From 0514 to 1000 hours, measurements

were made over the test range complex to assist in determining cloud height, width and mean transport speed. This information was utilized in positioning ground monitors in the downwind sector. Between 1000 and 1100 hours PST, flight paths were made in the off-site area generally over Highway 6 between Tonopah and Warm Springs to define the leading edge of the cloud.

As stated earlier, the aerial radiation measurements taken serve only to augment the effectiveness of the surveillance program and are not presented here.

B. GROUND MONITORING

Palanquin effluent reached Highway 6, north of the test range complex, by approximately 1100 hours PST. Gamma exposure rates above background detected by monitors indicate that by 1300 hours radioactive debris had spread from the Blue Jay Maintenance Station, 12 miles northeast of Warm Springs, to just east of Tonopah and was moving almost due north. Cloud arrival at various locations indicated an average wind transport speed of 10 to 15 miles per hour. The farthest north that effluent was detected by a ground monitor's portable instrument was in the area of the Pine Creek Ranch (110 miles north of Ground Zero) on State Road 82. The cloud reached this unpopulated location at about 1400 hours. Exposure rates along Highway 6 ranged from 0.5 to 2.0 mR/hr with the majority around 1.0 mR/hr or less. The maximum exposure rate measured (at 3 feet above ground level) in the off-site area was 3 mR/hr, net gamma, at Stone Cabin Ranch at 1224 hours PST. Twenty-four hours later the exposure rate at this location was background. Selected monitoring data are presented in Table 3. Calculated infinite exposures derived from ground monitoring data are also shown in Table 3, and certain of these estimates can be compared with actual

dosimetry exposures shown in Table 5. Infinite exposures are estimated by multiplying the peak exposure rate after cloud passage by 5 times the elapsed time (in hours) since detonation to obtain exposure due to deposition and combining this with the integrated exposure due only to cloud passage. The peak exposure rates shown in Table 3 are those measured during cloud passage.

Table 3. Estimated exposures from ground monitoring results in off-site populated areas for the Palanquin event, April 14, 1965, at 3 feet above ground level.

Location	Time of Peak γ Exposure Rate (PST)	Net Peak γ Exposure Rate(mR/hr)	Estimated Infinite Exposure (mR)
Warm Springs	1405	2	22
Blue Jay	1408	0.15	1
Stone Cabin Ranch	1224	3	60
Clark Station	1147-1210	2	37

C. EXPOSURE RATE RECORDERS

RM-11 recorder charts collected following the Palanquin event indicated exposure rates above background at Round Mountain, Fallini's Ranch, and Austin as shown in Table 4. Charts from Tonopah and Nyala indicated slight peaks which may have been due to Palanquin effluent; however, the peaks were less than 0.01 mR/hr and could have been caused by power fluctuation. The RM-11 located at Warm Springs failed to operate properly.

Table 4. Exposure rates occurring off the test range complex on April 14 and 15, 1965, as measured by RM-11 recorders.

Location	Time of Peak Exposure Rate(PST)	Time of Dose Rates Greater than backgrnd.	Net Peak Expo. Rate (mR/hr)	Integrated Exposure (mR)
Round Mountain	4/14, 1350	4/14, 1320-4/16, 1200	0.25	2.1
Fallini's Ranch	4/14, 1330	4/14, 1300-1840	0.034	0.07
	4/14, 1910	4/14, 1840-2200	0.034	0.06
Austin	4/14, 1650	4/14, 1600-4/15, 1350	0.03	0.37

Figure 1 (page 8) shows the locations of 22 RM-11 exposure rate recorders operating during the Palanquin event.

D. FILM BADGES

The only film badges showing positive exposures fcllowing the Palanquin event were station badges. No personnel badges showed exposures which could be attributed to this release. Table 5 lists the station badges with positive results.

Table 5. Positive station film badge results.

Location	Exposure Period	Dose (mR)
Highway 25 (6.5 miles east of Warm Spgs. on Highway 25)	3/30/65-4/24/65	35*
Clark Station	4/14/65-4/24/65	35
Saulsbury Wash Road at Hwy. 6 (24 miles east of Tonopah on Highway 6)	4/14/65-4/24/65	30
Stone Cabin Ranch	4/14/65-4/24/65	30
	3/31/65-5/06/65	45
	3/31/65-5/06/65	45
	3/31/65-5/06/65	35
	3/31/65-5/06/65	25
	3/31/65-5/06/65	30

*Film badge believed to be affected by environmental damaging effects.

E. AIR SAMPLES

Air sample filters and cartridges indicating fresh fission products from the Palanquin event are shown in Table 6. Those samples showing the highest concentrations of radionuclides were found along Highway 6 between Tonopah and Warm Springs, Nevada. Other samples, such as those from Boise, Idaho and Wendover, Utah contained low

but perceptible changes in gross beta activity. The normal monthly average concentration of gross beta activity at all routine SWRHL air sampling locations is less than 1 picocurie per cubic meter (pCi/m^3). It can be assumed, therefore, that air samples containing more than 1 pCi/m^3 during the first few days following Palanquin indicate fresh nuclear debris. These are listed in Table 6 and in Appendix I.

F. WATER SAMPLES

A total of 100 water samples were collected for the Palanquin surveillance. Sampling locations are shown in Figures 2 and 3 and the results are listed in Appendix II. In addition to the locations shown in Figures 2 and 3, samples were collected at Bismarck, Fargo and Wellingston, North Dakota.

Only those samples designated in Appendix II as "Tap" indicate water used for human consumption. Those designated as "Spring" may have been the source of the "Tap" water but were taken directly from an uncovered spring. Samples designated as "Tank" were not used for human consumption and usually originated from a well or spring; essentially all were obtained from uncovered storage tanks.

A few samples mailed in from other states were not labeled as to their source and these have been designated as "unknown". It is assumed that they represent recent precipitation at the location sampled.

A "tap" water sample collected on April 18, 1965 near Warm Springs, Nevada, contained 70 pCi/l of ^{131}I. This is the highest concentration of any fresh fission products found in any water sample from a water supply known to be used for human consumption.

Table 6. Four air samples containing highest concentrations of radioiodines from the Palanquin event.

No.	Location	Sampling Time and Date	Gross Beta		Radionuclide Analysis (pCi/m^3 and $pCi\text{-}sec/m^3$)			
			pCi/m^3	$pCi\text{-}sec/m^3$	^{131}I	^{132}I	^{133}I	^{135}I
024	Warm Spgs. (F)	4/14, 0600-4/14, 1405	1.8E4*	5.2 E8	3.2E3 9.3E7	5.9E3 1.7E8	1.9E4 5.5E8	2.3E4 6.6E8
024	Warm Spgs. (C)	4/14, 0600-4/14, 1405	-	-	5.3E2 1.5E7	2.1E2 6.1E6	3.9E3 1.1E8	8.6E3 2.5E8
902	Potts (F)	4/14, 1315-4/15, 1250	3.7E3	3.1E8	5.1E2 4.3E7	5.1E2 4.3E7	1.2E3 1.0E7	6.6E2 5.5E7
902	Potts (C)	4/14, 1315-4/15, 1250	-	-	7.2E1 6.1E6	2.9E1 2.5E6	4.0E2 3.4E7	1.6E2 1.4E7
904	Clark Station(F)	4/14, 0412-4/14, 1615	2. 3E4	9.9E8	3.4E3 1.5E8	4.0E3 1.7E8	1.0E4 4.3E8	2.2E4 9.5E8
904	Clark Station(C)	4/14, 0412-4/14, 1615	-	-	6.7E2 2.9E7	3.0E2 1.3E7	6.1E3 2.6E8	9.5E3 4.1E8
909	Hwy. 6, 8 mi. E. of TTR Rd. (F)**	4/14, 1115-4/14, 1235	8.7E4	4. 2E8	8.2E3 3.9E7	8.6E3 4.1E7	3.3E4 1.6E8	9.1E4 4.4E8
909	Hwy. 6, 8 mi. E. of TTR Rd. (C)**	4/14, 1115-4/14, 1235	-	-	4.2E3 2.0E7	1.6E3 7.7E6	3.2E4 1.5E8	7.3E4 3.5E8

* 1.8E4= 1.8×10^4 = 18,000

F - Whatman 541 filter

C - MSA Charcoal cartridge

Gross beta and radionuclide data extrapolated to end of collection period.

$pCi\text{-}sec/m^3$ was computed using actual sampling time in seconds, which in some cases was less than the sampling period given above, multiplied by the reported pCi/m^3 value. This figure gives the potential inhalation exposure at each location.

** - unpopulated.

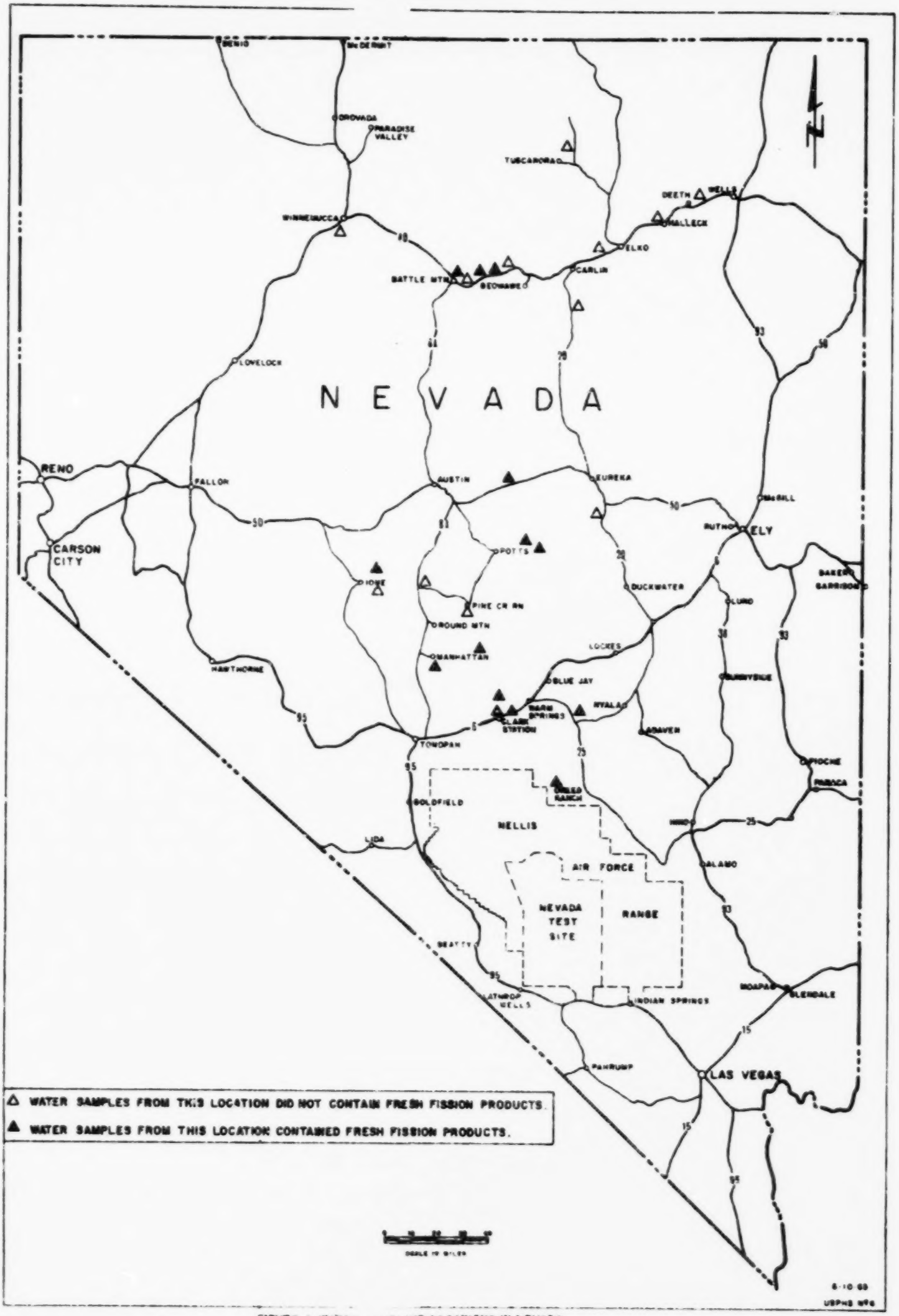

FIGURE 2 WATER SAMPLING LOCATIONS IN NEVADA.

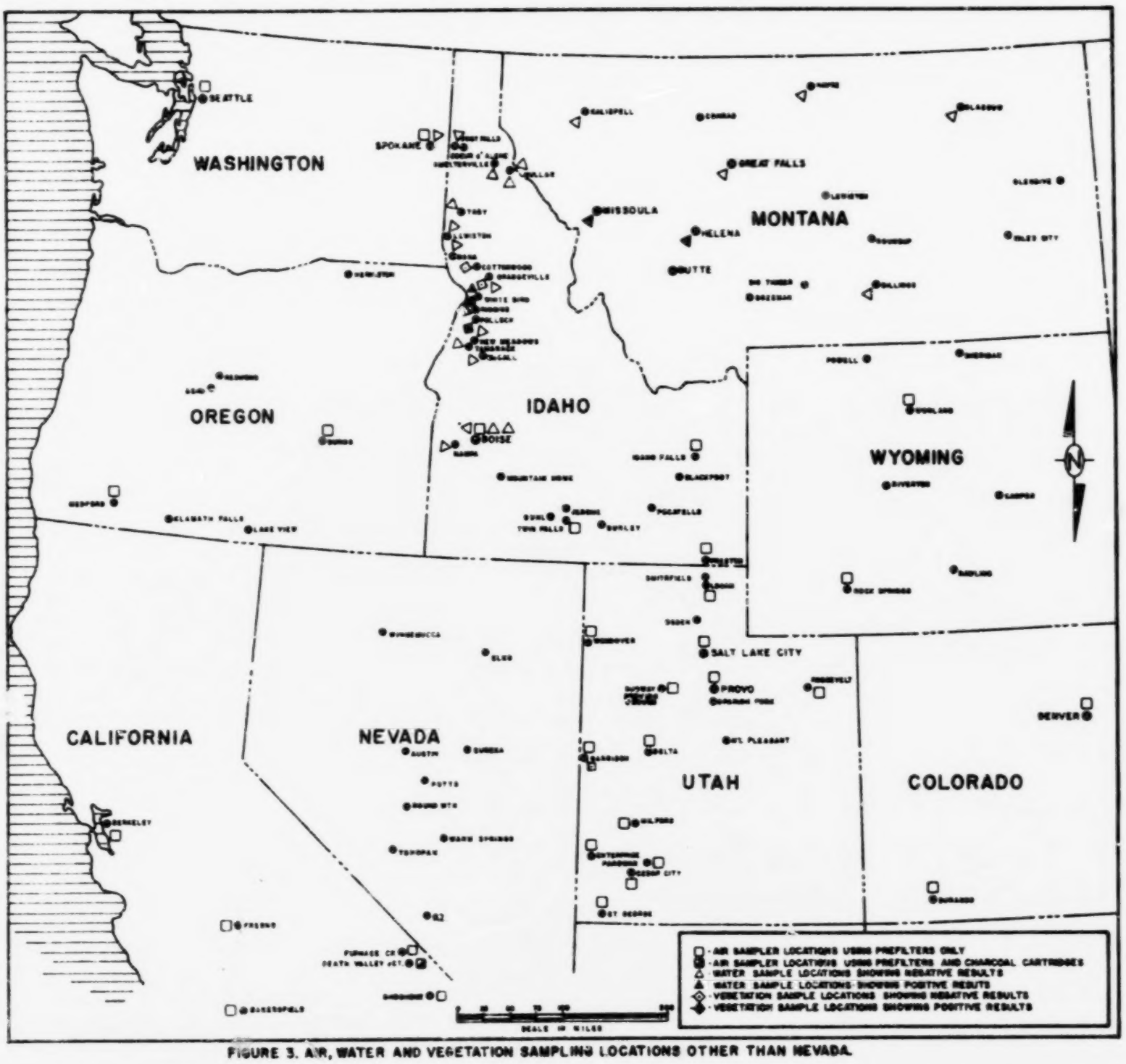

FIGURE 3. AIR, WATER AND VEGETATION SAMPLING LOCATIONS OTHER THAN NEVADA

G. VEGETATION SAMPLES

Vegetation samples were collected in several western states in an area north and northeast of the test range complex. In addition to the sampling locations shown in Figures 3 and 4, vegetation was collected at Valparaiso, Indiana; Joliet, Rockford, Aurora, and DeKalb,Illinois; and Beloit, Wisconsin. All sampling locations and associated results are listed in Appendix III.

Samples designated as "hay" or "pasture" were collected to be representative of dairy cattle feed at that location. "Hay" as listed in the Appendix is dry vegetation in storage which may or may not have been covered during cloud passage. Those samples listed as "grass" were similar to "pasture" samples but were collected at locations where no dairy cattle were grazing. "Natural" refers to any naturally growing vegetation which was not readily identifiable and which was not used as animal feed.

H. MILK SAMPLES

Using information furnished by the U.S. Weather Bureau, ground monitoring, cloud tracking aircraft, and vegetation sampling monitors sampled milk from 154 locations in the western United States. These locations are shown in Figures 10 and 11. Table 7 lists milk samples with the highest ^{131}I content for each location sampled where positive results were obtained. Appendix V lists results for all milk samples collected for the Palanquin event. Additional information is shown in Appendix IV for those locations (No. 1 through 94) where milk was collected by the PHS Off-Site Surveillance Section. This information includes the number of people using the milk, number of cows milked, type of feed that the dairy cattle were eating during the sampling period, duration of sampling period, total number of samples collected, and if milk was exchanged.

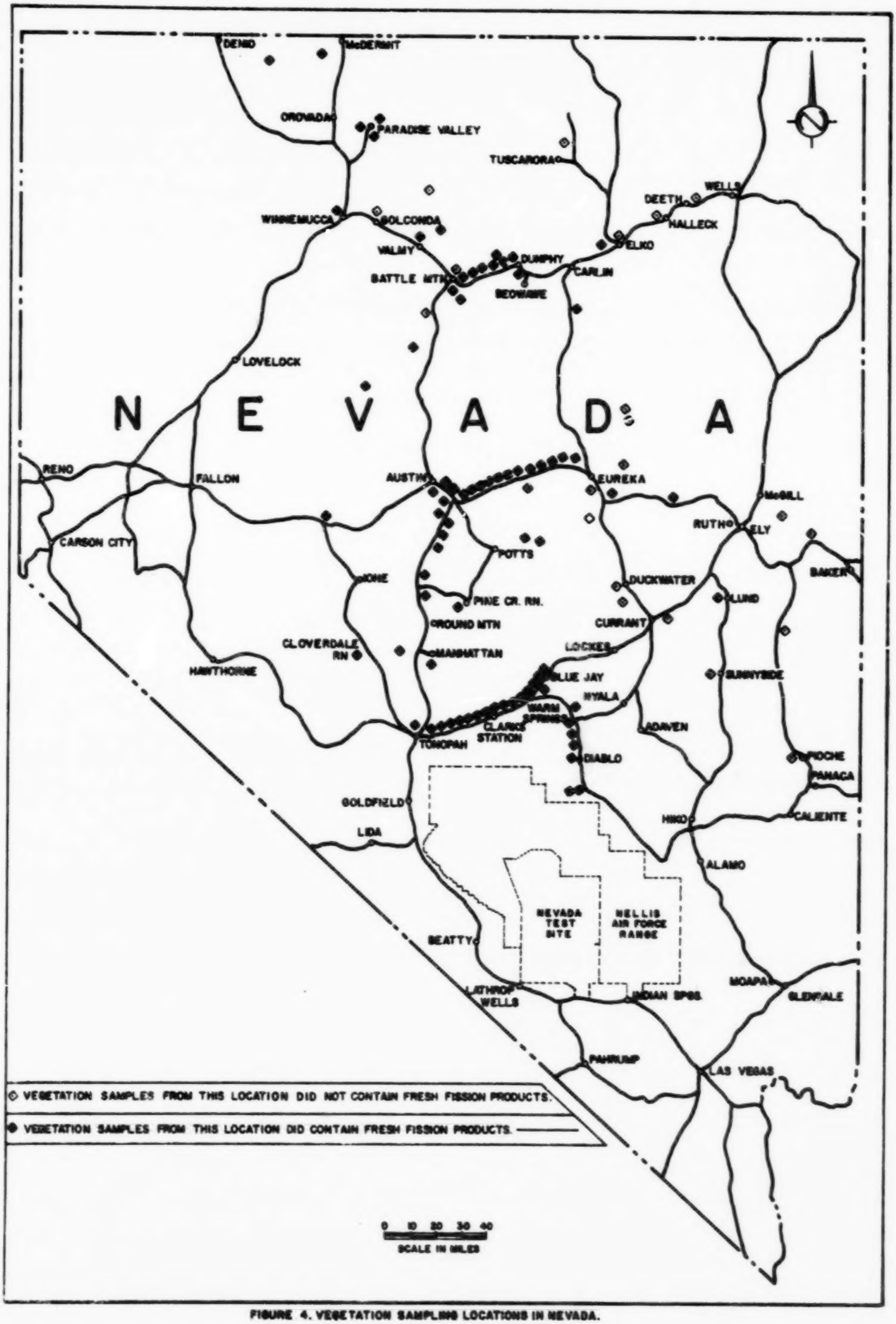

FIGURE 4. VEGETATION SAMPLING LOCATIONS IN NEVADA.

For locations 95 through 154, the sampling period and the number of samples received is listed. Radioiodine levels versus time at several ranches are shown in Figures 5, 6, 7, 8, and 9. When more than one sample of milk was collected from a ranch for any given day, the activity is plotted as an average concentration for that day.

Some of these ranches had only one or two cows each and since much of the milk would be needed for analysis, an exchange was made for fresh, uncontaminated milk. This procedure of exchanging milk is standard practice for routine monitoring throughout the year since many of the farms have only one or a few cows.

In addition to milk samples listed in Appendix V, information was obtained from the Pasteurized Milk Network operated by the Public Health Service. From December 1964 through May 1, 1965, all samples from this network contained less than 10 pCi/l (detection limit) of ^{131}I with the exception of Helena, Montana, which reported 80 pCi/l on April 27, 1965.

Table 7. Milk sample containing maximum level of ^{131}I from each location which showed fresh fission products.

Collection Data		Radiochemical Data				
Location (Azimuth & Distance from GZ)	Date Collected	Activity (pCi/l)				
		^{131}I	^{133}I	^{137}Cs	^{89}Sr	^{90}Sr
Austin, Nevada						
1. Birch Creek Rn 348°, 150 mi	4/17/65	100	90	160	<5	13
2. Bozarth Rn 354°, 131 mi	4/19/65	600	360	150	<5	6
3. Dry Creek Rn 353°, 163 mi	4/16/65	250	570	180	<5	52
4. Erich Rn 346°, 170 mi	4/17/65	130	90	230	no	chemistry
5. Larry O'Toole Rn 342°, 150 mi	4/17/65	190	160	130	<5	12
6. Young's Rn 346°, 145 mi	4/19/65	110	60	130	<5	12
Battle Mountain, Nevada						
7. Blossom Rn 354°, 242 mi	4/17/65	80	50	140	<5	12
8. Jim Dooley Rn 344°, 205 mi	4/19/65	40	ND	45	20	20
9. Fish Creek Rn 349°, 213 mi	4/18/65	300	200	220	<5	8

Table 7. Milk sample containing maximum level of ^{131}I from each location which showed fresh fission products. (cont')

Collection Data		Radiochemical Data				
Location (Azimuth & Distance from GZ)	Date Collected	Activity (pCi/l)				
		^{131}I	^{133}I	^{137}Cs	^{89}Sr	^{90}Sr
Battle Mountain, Nevada (cont')						
10. E. L. Fuller Rn 344°, 205 mi	4/19/65	670	180	120	20	15
11. Lenaburg Rn 344°, 205 mi	4/19/65	370	ND	550	no	chemistry
12. Martin Rn 352°, 228 mi	4/18/65	130	70	340	<5	44
13. Rufli Bros. Rn 350°, 220 mi	4/17/65	140	140	80	<5	8
14. T Lazy S Rn 338°, 140 mi	4/19/65	40	ND	90	<5	10
15. Trout Creek Rn 352°, 220 mi	4/20/65	240	ND	45	<5	24
16. A. Welch Rn 353°, 239 mi	4/25/65	170	ND	130	no	chemistry
17. Friesen Rn - Beowawe, Nev. 360°, 233 mi	4/20/65	80	ND	150	<5	20
20. W. R. Rand Rn - Carlin, Nev. 004°, 220 mi	4/16/65	40	60	190	<5	19
Eureka, Nevada						
30. Cold Creek Rn 012°, 190 mi	4/18/65	440	180	320	<5	20

Table 7. Milk sample containing maximum level of ^{131}I from each location which showed fresh fission products. (cont')

Collection Data		Radiochemical Data				
Location (Azimuth & Distance from GZ)	Date Collected	Activity (pCi/l)				
		^{131}I	^{133}I	^{137}Cs	^{89}Sr	^{90}Sr
Eureka, Nevada (cont')						
31. Arthur Cook Rn 012°, 188 mi	4/18/65	30	ND	75	<5	14
32. Fish Creek Rn 011°, 145 mi	4/17/65	90	71	100	<5	12
34. Martin Rn 360°, 135 mi	4/18/65	11000	5900	330	35	70
35. Segura Rn 003°, 130 mi	4/18/65	2800	1400	280	15	16
36. Willows Rn 359°, 155 mi	4/22/65	400	ND	30	<5	17
Golconda, Nevada						
38. Hot Springs Rn 352°, 265 mi	4/22/65	630	ND	210	no	chemistry
39. Norcutt Rn 347°, 265 mi	4/16/65	280	500	120	<5	5
40. Clay Tipton Rn 348°, 262 mi	4/23/65	110	ND	170	10	7
41. Glenn Tipton Rn 347°, 248 mi	4/21/65	50	ND	130	no	chemistry

Table 7. Milk sample containing maximum level of ^{131}I from each location which showed fresh fission products. (cont')

Collection Data		Radiochemical Data				
Location (Azimuth & Distance from GZ)	Date Collected	Activity (pCi/l)				
		^{131}I	^{133}I	^{137}Cs	^{89}Sr	^{90}Sr
Golconda, Nevada (cont')						
42. Hugh Tipton Rn 347°, 252 mi	4/21/65	170	ND	180	no chemistry	
43. Upper Clover Rn 354°, 275 mi	4/21/65	60	ND	90	no chemistry	
44. Glasser Rn - Halleck, Nev. 011°, 261 mi	4/18/65	140	100	210	no chemistry	
45. B & M O'Toole Rn - Ione, Nev. 337°, 140 mi	4/17/65	2700	2800	390	<5	34
49. McKenzie Dairy - Lund, Nev. 035°, 137 mi	4/15/65	80	140	140	<5	5
Manhattan, Nevada						
51. Lee Hiatt Rn 339°, 98 mi	4/17/65	580	570	210	<5	24
52. Peavine Rn 336°, 103 mi	4/16/65	950	1400	ND	<5	10
53. Pine Creek Rn 349°, 110 mi	4/17/65	2100	2800	300	20	24
McDermitt, Nevada						
54. Lucky 7 Rn 347°, 330 mi	4/23/65	30	ND	180	<5	41

Table 7. Milk sample containing maximum level of ^{131}I from each location which showed fresh fission products. (cont')

Collection Data		Radiochemical Data				
Location (Azimuth & Distance from GZ)	Date Collected	Activity (pCi/l)				
		^{131}I	^{133}I	^{137}Cs	^{89}Sr	^{90}Sr
McDermitt, Nevada (cont')						
55. Mentaberry Rn 346°, 330 mi	4/20/65	790	160	140	no	chemistry
56. U. C. Ranch 347°, 325 mi	4/20/65	330	70	65	<5	15
Paradise Valley, Nevada						
60. Boggio Rn 348°, 300 mi	4/20/65	4100	560	240	no	chemistry
61. F. Buckingham 348°, 304 mi	4/20/65	810	ND	120	no	chemistry
62. K. Buckingham 348°, 300 mi	4/27/65	120	ND	40	<5	23
63. Cerri Rn 349°, 300 mi	4/23/65	290	ND	90	<5	12
64. A. Miller Rn 348°, 282 mi	4/30/65	60	ND	130	<5	9
65. G. Miller Rn 348°, 292 mi	4/29/65	200	ND	70	<5	40
66. L. Miller Rn 348°, 302 mi	4/20/65	150	ND	75	<5	10
67. P. Richard Rn 348°, 302 mi	4/20/65	5500	660	260	<5	15

Table 7. Milk sample containing maximum level of ^{131}I from each location which showed fresh fission products. (cont')

Collection Data		Radiochemical Data				
Location (Azimuth & Distance from GZ)	Date Collected	Activity (pCi/l)				
		^{131}I	^{133}I	^{137}Cs	^{89}Sr	^{90}Sr
Paradise Valley, Nev. (cont')						
68. C. Reconzone Rn 348°, 300 mi	4/26/65	120	ND	120	no	chemistry
69. G. Zatica Rn 348°, 298 mi	4/22/65	150	ND	80	no	chemistry
Round Mountain, Nevada						
71. J-Bar Nielson Rn 342°, 130 mi	4/16/65	730	2900	150	no	chemistry
72. R. O. Ranch 341°, 122 mi	4/15/65	310	1400	150	<5	12
73. Triple T Rn 345°, 138 mi	4/19/65	610	470	290	<5	15
75. Spanish Rn - Tuscarora, Nev. 002°, 290 mi	4/18/65	140	110	110	no	chemistry
Valmy, Nevada						
76. H. Hunter Rn 351°, 253 mi	4/19/65	330	110	150	<5	18
77. White House Rn 352°, 255 mi	4/17/65	150	210	150	<5	26
Warm Springs, Nevada						
78. Clark's Station Rn 352°, 70 mi	4/17/65	1900	2800	450	no	chemistry

Table 7. Milk sample containing maximum level of ^{131}I from each location which showed fresh fission products. (cont')

Collection Data		Radiochemical Data				
Location (Azimuth & Distance from GZ)	Date Collected	Activity (pCi/l)				
		^{131}I	^{133}I	^{137}Cs	^{89}Sr	^{90}Sr
Warm Springs, Nevada (cont')						
79. Fallini's Rn 015°, 75mi	4/17/65	130	130	18	no	chemistry
80. Stone Cabin Rn 352°, 75 mi	4/17/65	1800	2600	240	<5	14
Winnemucca, Nevada						
81. Aitken Rn 345°, 267 mi	4/30/65	90	ND	80	no	chemistry
82. Amos Bros. Rn 344°, 265 mi	4/21/65	590	ND	85	no	chemistry
83. C. Donaldson Rn 346°, 312 mi	4/19/65	100	ND	80	<5	12
85. Flat Creek Rn 346°, 312 mi	4/20/65	640	160	160	<5	48
86. Lyle Frey Rn 345°, 297 mi	4/23/65	71	ND	130	<5	6
87. Happy Creek Rn 340°, 315 mi	4/21/65	50	ND	20	no	chemistry
88. G. Hill Rn 346°, 315 mi	4/24/65	330	ND	180	no	chemistry

Table 7. Milk sample containing maximum level of ^{131}I from each location which showed fresh fission products. (cont')

Collection Data		Radiochemical Data				
Location (Azimuth & Distance from GZ)	Date Collected	Activity (pCi/l)				
		^{131}I	^{133}I	^{137}Cs	^{89}Sr	^{90}Sr
Winnemucca, Nevada (cont')						
90. Marquerqueaga 344°, 265 mi	4/29/65	40	ND	45	<5	9
91. Nine Mile Rn 342°, 312 mi	4/20/65	450	60	220	no	chemistry
94. 3-V Dairy 345°, 267 mi	4/17/65	60	ND	170	<5	27
104. Lewiston, Idaho	4/17/65	50	ND	50	<5	18
108. Grangeville, Idaho(Terhaar)	4/24/65	530	ND	180	25	69
115. Buhl, Idaho	4/16/65	30	30	160	<5	31
125. Bend, Oregon	4/19/65	30	ND	120	<5	14
134. Miles City, Montana	4/22/65	120	ND	55	<5	23
137. Roundup, Montana	4/21/65	20	ND	85	<5	24
138. Glendive, Montana	4/19/65	60	ND	60	<5	25

Table 7. Milk sample containing maximum level of ^{131}I from each location which showed fresh fission products. (cont')

Collection Data		Radiochemical Data				
Location (Azimuth & Distance from GZ)	Date Collected	Activity (pCi/l)				
		^{131}I	^{133}I	^{137}Cs	^{89}Sr	^{90}Sr
139. Missoula, Montana	4/22/65	100	ND	130	<5	19
140. Lewistown, Montana	4/28/65	180	ND	180	no	chemistry
142. Billings, Montana	4/20/65	20	ND	75	<5	21
143. Great Falls, Montana	4/19/65	60	ND	100	<5	18

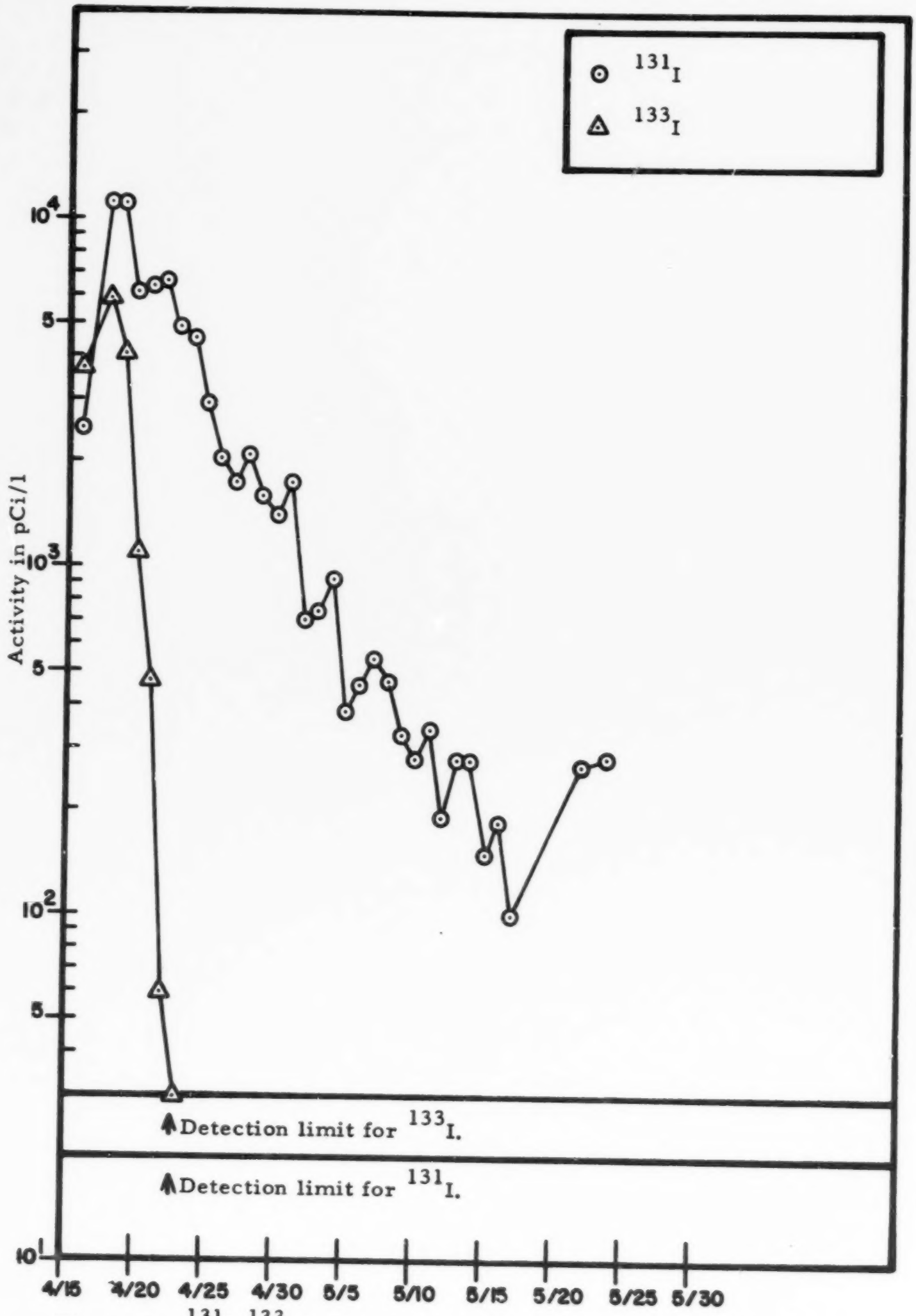

Figure 5. $^{131, 133}_{I}$ levels versus time in milk from the Martin Ranch, No. 34.

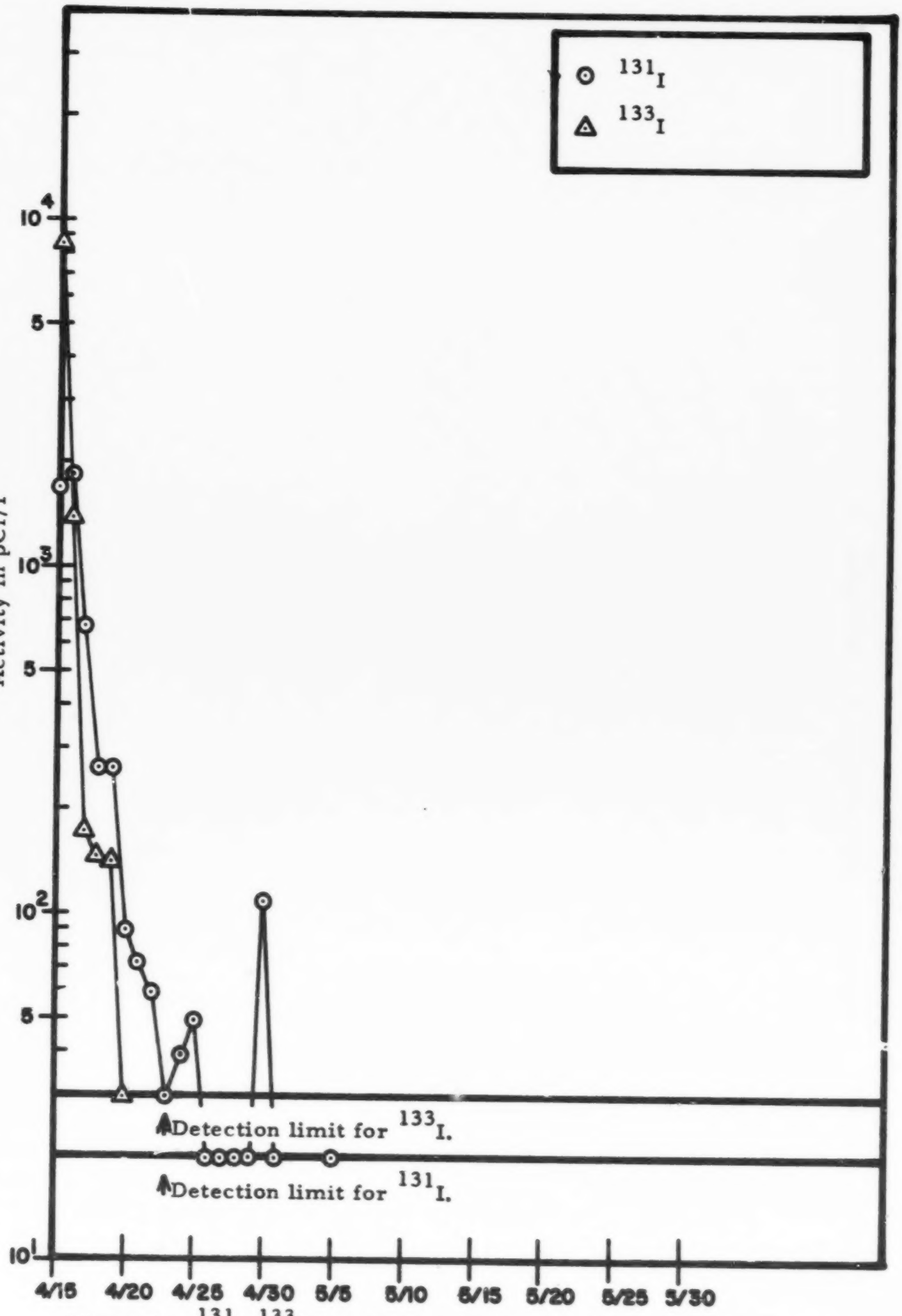

Figure 6. $^{131, 133}$I levels versus time in milk from the Peavine Ranch, No. 52.

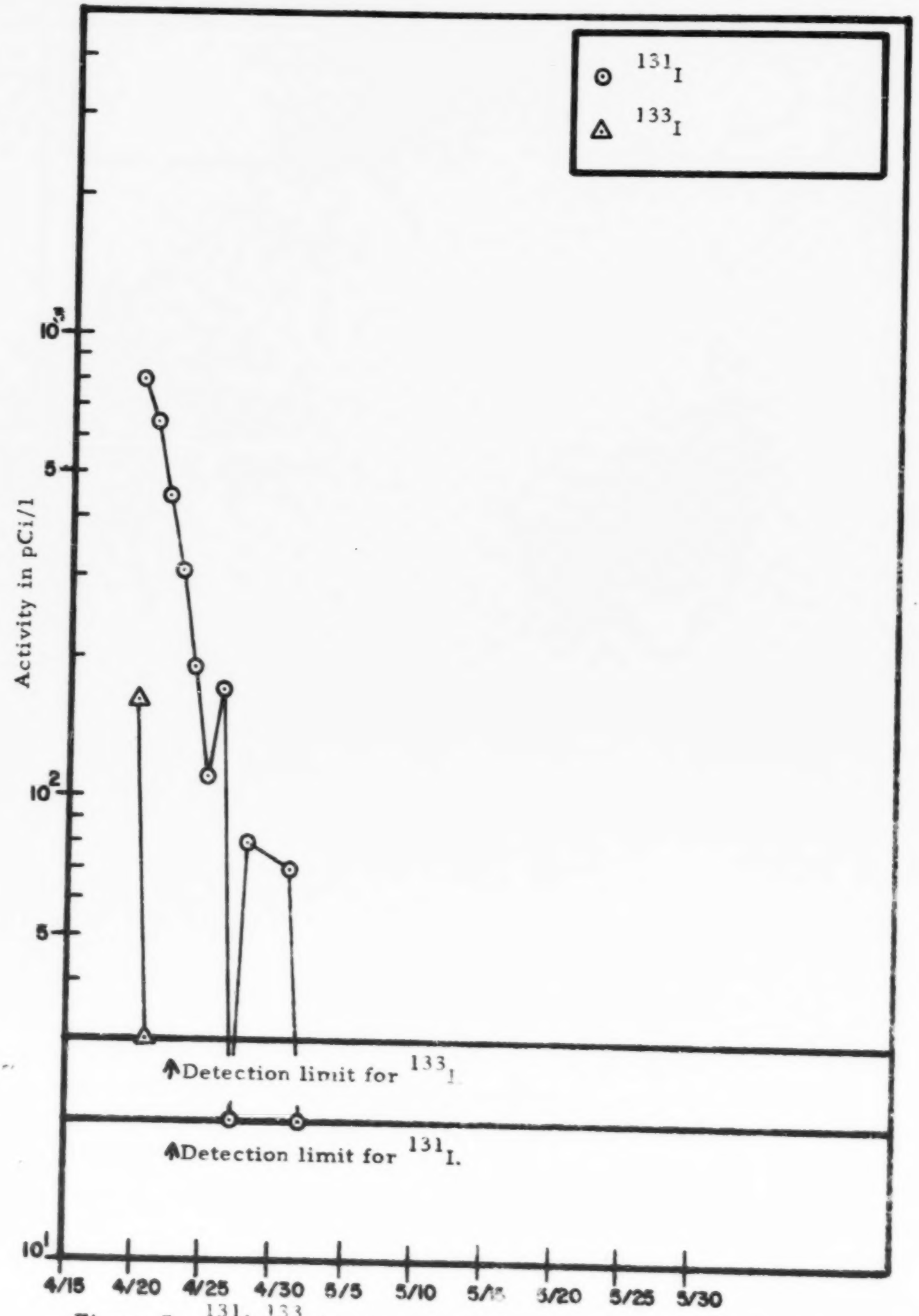

Figure 7. ^{131}I, ^{133}I levels versus time in milk from the Mentaberry Ranch, No. 5.

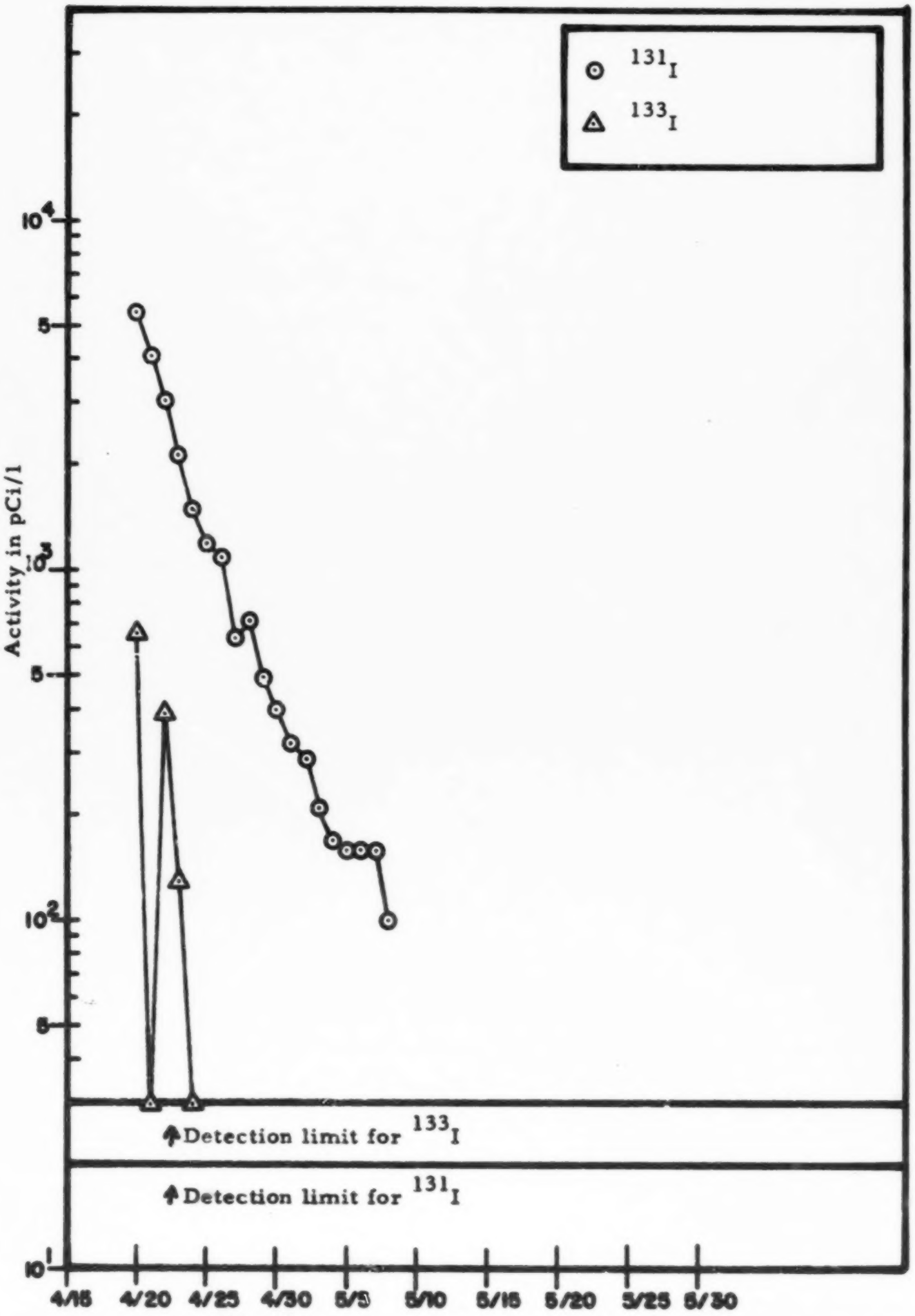

Figure 8. $^{131, 133}I$ levels versus time in milk from the Pasquale-Richards Ranch, No. 67.

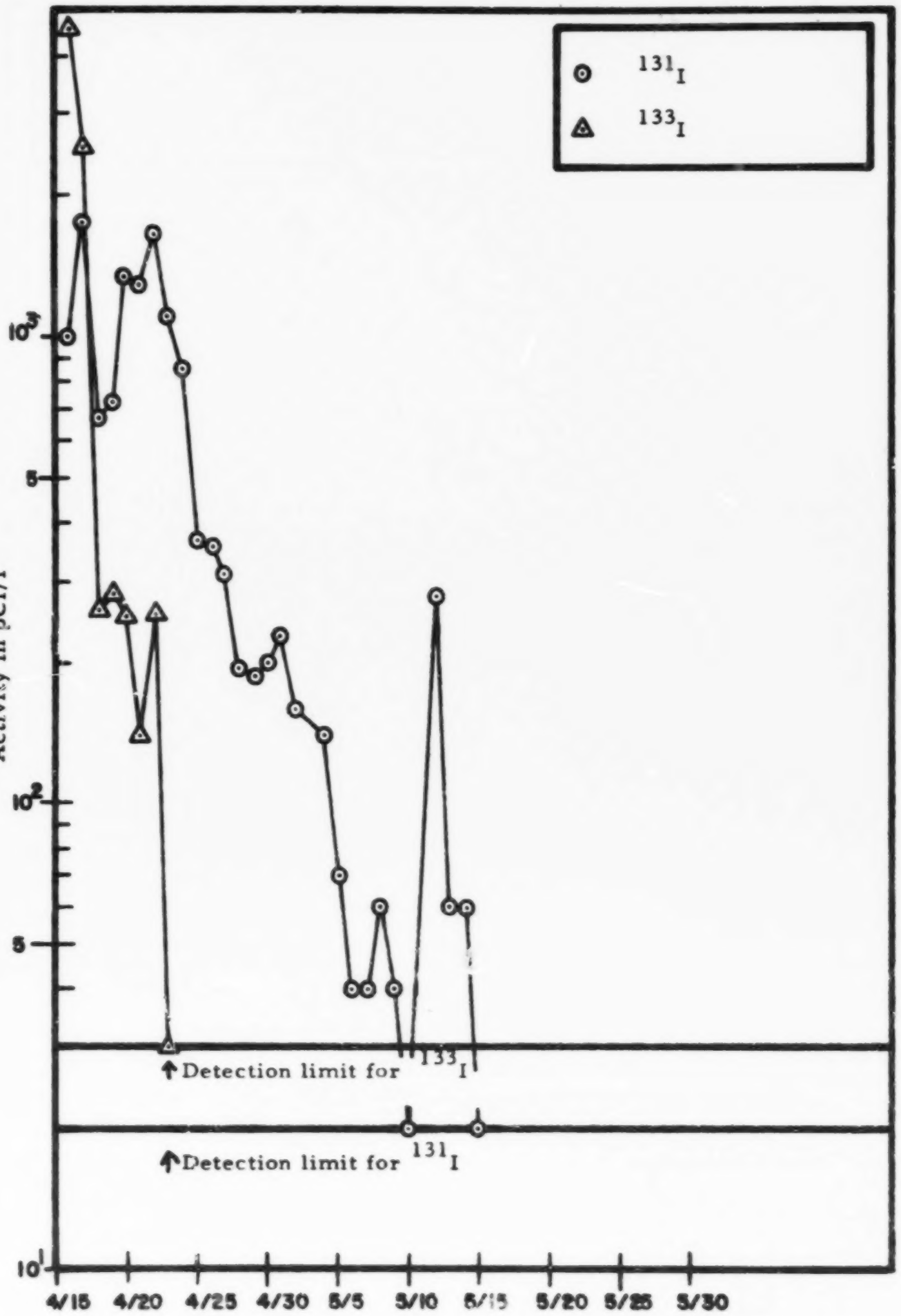

Figure 9. $^{131, 133}I$ levels versus time in milk from the Stone Cabin Ranch, No. 80.

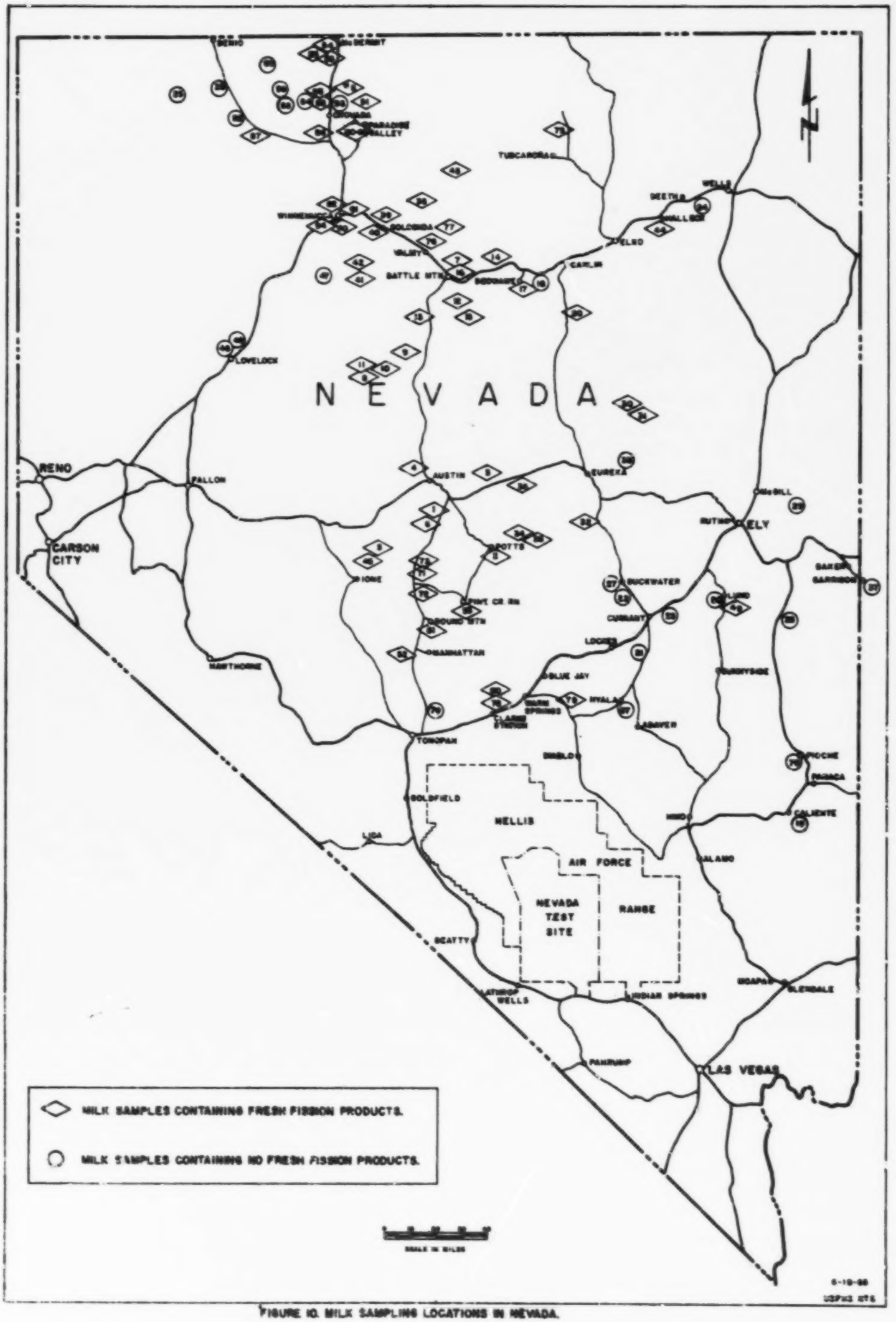

FIGURE 10. MILK SAMPLING LOCATIONS IN NEVADA.

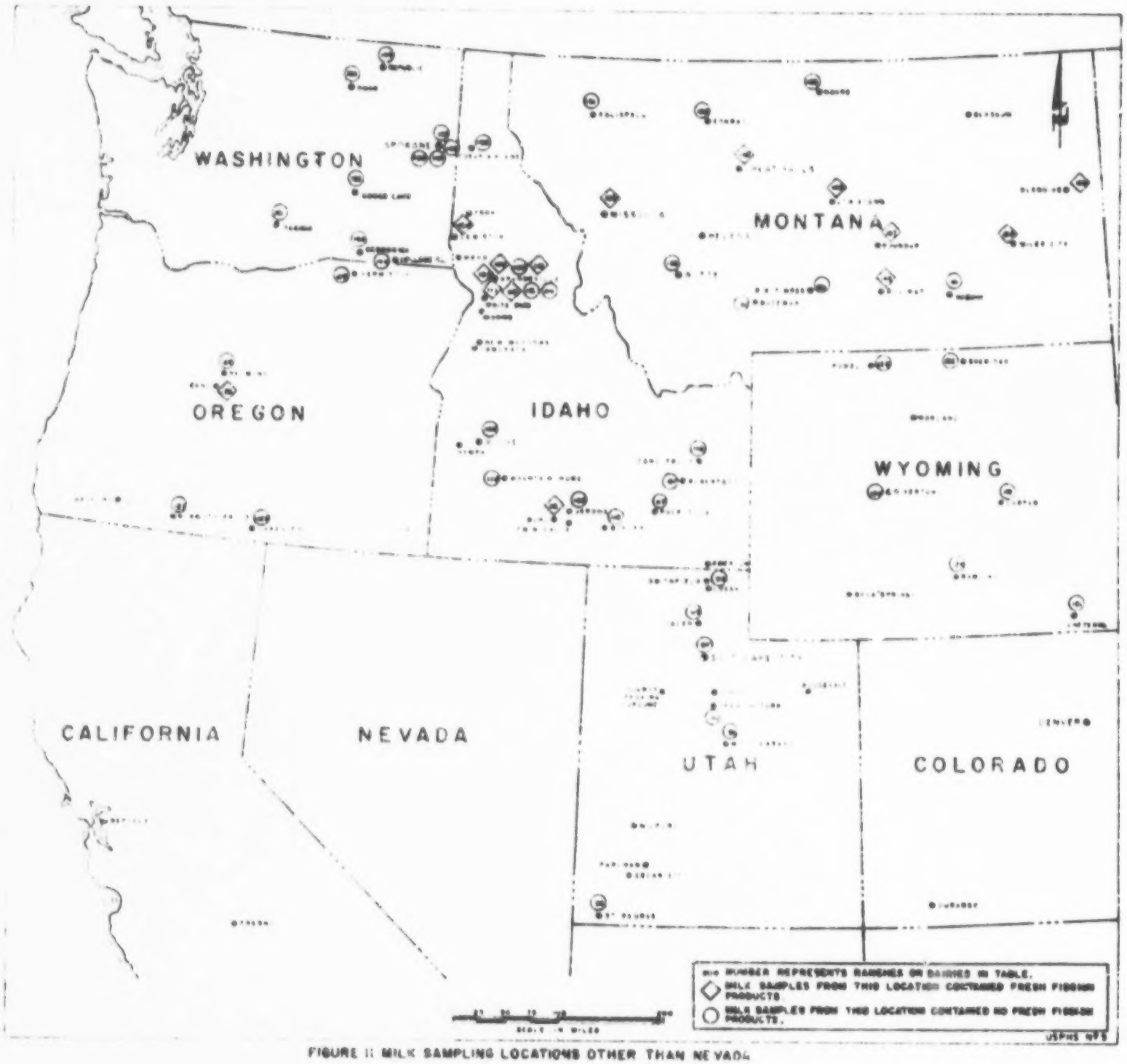

FIGURE 1: MILK SAMPLING LOCATIONS OTHER THAN NEVADA

I. IN VIVO WHOLE BODY COUNTING

Seven families, comprising 37 individuals, residing on ranches where the milk supplies were contaminated with Palanquin activity, were monitored in the SWRHL whole body counting facility in Las Vegas to determine any possible radioiodine thyroid burden. Of the seven families counted, four showed positive thyroid burdens. The highest total integrated thyroid dose was 162 mrad in an eleven year old female. Selected results of whole body counting data are shown in Table 8.

The following assumptions were made in computing the exposures:

1. Dose computed assumes only ^{133}I and ^{131}I exposure.
2. Exposure was instantaneous. This assumption is probably valid with one family which showed an inhaled burden. The validity is diminished when considering exposure due to ingestion of radioiodine in milk over an interval of several days. In the cases of ingestion by milk, the time of exposure represented the most conservative (i.e., highest exposure) estimates considering ratios of ^{133}I to ^{131}I in the milk.
3. Dose conversion factors of 1.4 mrad, 6.4 mrad thyroid dose per 1000 pCi thyroid burden for ^{133}I and ^{131}I respectively were used. Doses for children were scaled up from the 20-gram thyroid according to a chart on thyroid weights versus age(3).
4. All iodine was assumed to be located in the thyroid. Counts made in a whole body counter measure iodine any place in the body; however, geometries were chosen to give optimum efficiency in the upper chest, neck, and head regions.

Other specific assumptions regarding exposure data on individuals are included as remarks in Table 8.

Table 8. Thyroid exposures of persons showing positive radioiodine burdens as measured in a whole body counter, in mR.

Off-Site Resident No.	Sex-Age	Assumed Thyroid Mass (grams)	Maximum ^{131}I Observed (pCi/l milk)	Actual Measured Thyroid Burden (pCi ^{131}I)	Infinite, Integrated Thyroid Exposure (mR)	Date Counted	Remarks
1	F Adult	20		790	50	4/25/65	Computations assume (1) all of the dose to the adult female was through inhalation and (2) the rest of the family inhaled the same quantity and the excess above the adult female was due to ingestion of milk.
2	M Adult	20		1540	61	4/25/65	
3	F 15 yr	14.5	1900-4/17	2009	105	4/25/65	
4	F 11 yr	9		1985	162	4/25/65	
5	M Adult	20		439	20	5/03/65	
6	F Adult	20		629	28	5/03/65	
7	M 7 yr.	7		462	57	5/03/65	
8	F 6 yr.	6		377	57	5/03/65	
9	F 5 yr.	5	400-4/22	366	64	5/03/65	
10	M 3 yr.	3.4		113	30	5/03/65	
11	M 2 yr.	3		255	53	5/03/65	
12	M 1 mo.	1		185	160	5/03/65	This exposure is on the threshold of detection for this size thyroid.
13	M Adult	20		1440	34	4/28/65	
14	F Adult	20		1300	30	4/28/65	
15	M 6 yr.	6		635	50	4/28/65	
16	F 7 yr.	7	5500-4/20	1100	75	4/28/65	
17	F 5 yr.	5		770	72	4/28/65	
18	M 3 yr.	3.4		465	65	4/28/65	
19	M 18 mo.	2.5		372	72	4/28/65	
20	M Adult	20	790-4/20	445	10	4/27/65	

III. CONCLUSIONS

Off-Site net gamma exposure rates following Project Palanquin were below the dose rates at which exposure of residents could reach the 0.5R per year guide recommended in Standards for Radiation Protection. The maximum exposure rate observed during cloud passage by any ground monitor was 3 mR/hr at the Stone Cabin Ranch. The integrated infinite dose at this location from both cloud passage and deposition is calculated to be about 60 mR. The maximum exposure rate recorded by any RM-11 dose rate recorder was 0.25 mR/hr at Round Mountain, Nevada and the resulting integrated exposure was 2.1 mR. Maximum off-site exposure as measured by a film badge was 45 mR at Stone Cabin Ranch.

The radioactive effluent from the Palanquin event diffused throughout an area north and northeast of the test range complex for several days after the event. Since fresh fission products were collected on air samples at certain locations for three or four days, it can be concluded that additional activity was being released from the Palanquin Ground Zero area for this period of time, or ground deposited materials from fallout were resuspended, or a combination of both. Air concentration guides for ^{131}I as set forth in Standards for Radiation Protection were exceeded for a short time along Highway 6 between Tonopah and Warm Springs, Nevada. (The highest concentration was in an unpopulated area.) These guides are for continuous exposure throughout the year. If the ^{131}I concentrations at the above locations were averaged over a two week period, they would be within radiation protection guides.

Open water sources as far north as Idaho and Montana were contaminated by radioactive fallout from the Palanquin event. However, of all water sources sampled, none of those used for human

consumption contained radioiodine concentrations in excess of the radiation concentration guides.

The highest concentration of ^{131}I in milk was 11,000 pCi/l at a ranch where no children were present. The second and third highest concentrations (at two other locations) were 5,500 and 4,100 picocuries of ^{131}I per liter of milk. Children were present at both of these ranches. The feeding practices of the individual ranches contributed substantially to varying radioiodine in milk samples from the same area. Milk samples from ranches where the cows were grazing on pasture generally contained more radioiodine than the milk from ranches where the cows were fed only dry feed. This is typified by the Jim Dooley Ranch (Ranch No. 8) and the E. L. Fuller Ranch (Ranch No. 110), some 200 miles north of Ground Zero, near Battle Mountain, Nevada. Although these ranches are about two miles apart, the cow at the Dooley Ranch was on dry feed only and a maximum of 40 pCi/l (^{131}I) was found in the milk, while the cows at the Fuller Ranch were on pasture and produced milk containing 670 pCi/l.

On the day of the Palanquin event and for several days thereafter, there was scattered precipitation in northern Nevada and other states north of the test range complex. This precipitation is another possible reason for the varied concentrations of fresh fission

products found in milk samples collected from a specific area. The above mentioned sample collected from the Martin Ranch near Eureka, Nevada on April 18 contained 11,000 pCi/l of ^{131}I while another milk sample collected on the Segura Ranch (Ranch No. 35), five miles to the east, contained 2800 pCi/l. The feeding practices at both locations were similar.

It should be noted that the ^{131}I in the milk from most of the ranches reached a peak between April 16 and April 20 and decreased thereafter to low levels and in many cases, to non-detectable levels by April 25. Then, ^{131}I reappeared in some milk samples collected during the latter part of May. This reappearance was probably due to a nuclear test conducted in China on May 14, 1965. This assumption is supported by air samples from many western states, which show an increase in activity on May 20 and 21.

Several milk samples from the Grangeville, Idaho area contained higher concentrations than expected of strontium-90, although the levels were low (less than 80 pCi/l). This was apparently not caused by the Palanquin event since samples collected closer to Ground Zero contained lower concentrations of strontium and higher concentrations of radioiodine.

Actual thyroid exposures as measured in a whole body counter did not exceed any generally accepted guides for thyroid exposure.

REFERENCES

(1) AEC Manual Chapter 0524 Standards for Radiation Protection (revised 1963). U. S. Atomic Energy Commission (1963).

(2) Report No. 5 Background Material for the Development of Radiation Protection Standards. Staff Report of the Federal Radiation Council U. S. Government Printing Office (1964).

(3) W. S. Spector, Editor, Handbook of Biological Data, (p. 162) W. E. Saunders Co., Philadelphia (1956).

APPENDICES

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Appendix I

Air Sample Data for the Palanquin Event

Location	Col-lector	Sampling Time and Date	Vol. (m^3)	Gross Beta		Radionuclide Analysis (pCi/m^3 and $pCi\text{-}sec/m^3$)							
				pCi/m^3	$pCi\text{-}sec/m^3$	^{131}I		^{132}I		^{133}I		^{135}I	
Nevada													
Austin	F	1215,4/14-1125,4/15	455	1.5E03	1.2E08	9.2E01	7.7E06	1.1E02	9.1E06	3.1E02	2.6E07	1.3E02	1.1E07
	C	1215,4/14-1125,4/15	455	- - -	- - -	2.4E01	2.0E06	9.0E00	7.5E05	1.5E02	1.2E07	5.7E01	4.7E06
Blue Jay	F	0630,4/14-1615,4/14	211	2.7E03	9.2E07	1.5E02	5.1E06	1.8E02	6.1E06	5.2E02	1.8E07	8.9E02	3.0E07
	F	1615,4/14-0700,4/15	320	1.4E01	7.4E05	NO GAMMA SCAN							
	F	0700,4/15-0700,4/16	497	1.4E02	1.2E07	NO GAMMA SCAN							
	C	0700,4/15-0700,4/16	497	- - -	- - -	ND	ND	ND	ND	ND	ND	ND	ND
Currant	F	0715,4/16-0730,4/17	476	1.3E00	1.1E05	NO GAMMA SCAN							
Diablo	F	0725,4/14-0705,4/15	444	5.5E00	4.7E05	ND	ND	ND	ND	ND	ND	ND	ND
	C	0725,4/14-0705,4/15	444	- - -	- - -	ND	ND	ND	ND	ND	ND	ND	ND
Elko	F	1700,4/15-1312,4/16	408	4.9E00	3.6E05	NO GAMMA SCAN							
Eureka	F	1140,4/14-1620,4/14	97	1.6E00	2.7E04	NO GAMMA SCAN							
	C	1140,4/14-1620,4/14	97	- - -	- - -	ND	ND	ND	ND	ND	ND	ND	ND
	F	1620,4/14-1010,4/15	341	1.5E00	9.6E04	NO GAMMA SCAN							
	C	1620,4/14-1010,4/15	341	- - -	- - -	ND	ND	ND	ND	ND	ND	ND	ND
	F	1015,4/15-0730,4/16	421	5.4E01	3.9E06	NO GAMMA SCAN							
	C	1015,4/15-0730,4/16	421	- - -	- - -	ND	ND	ND	ND	ND	ND	ND	ND
	F	0730,4/16-0730,4/17	485	6.0E00	5.2E05	NO GAMMA SCAN							
Fallini's Rch	F	0730,4/14-0730,4/15	497	1.4E02	1.2E07	NO GAMMA SCAN							
	F	0730,4/15-0830,4/16	531	7.2E01	6.5E06	NO GAMMA SCAN							
	C	0730,4/15-0830,4/16	531	- - -	- - -	1.6E00	1.4E05	7.0E-1	6.3E04	4.3E00	3.9E05	7.9E-1	7.1E04
	F	0830,4/16-0730,4/17	476	6.1E00	5.1E05	NO GAMMA SCAN							
	C	0830,4/16-0730,4/17	476	- - -	- - -	9.9E-1	8.2E04	1.6E00	1.3E05	ND	ND	ND	ND

Appendix I (continued)

Location	Col-lector	Sampling Time and Date	Vol. (m^3)	Gross Beta		Radionuclide Analysis (pCi/m^3 and $pCi\text{-}sec/m^3$)							
				pCi/m^3	$pCi\text{-}sec/m^3$	^{131}I		^{132}I		^{133}I		^{135}I	
Nevada (cont.)													
Lovelock	F	0927,4/17-1002,4/18	484	1.2E00	1.1E05	NO GAMMA SCAN							
Locke's Station	F	0726,4/14-0935,4/15	470	6.7E00	5.9E05	4.9E-1	4.3E04	4.7E-1	4.1E04	6.0E-1	5.3E04	ND	ND
	C	0726,4/14-0935,4/15	470	- - -	- - -	ND	ND	ND	ND	3.8E-1	3.6E04	ND	ND
	F	0935,4/15-0830,4/16	409	1.5E00	1.1E05	NO GAMMA SCAN							
Nyala	F	0730,4/14-0730,4/15	435	7.4E00	6.4E05	ND	ND	ND	ND	1.0E00	8.6E04	ND	ND
	C	0730,4/14-0730,4/15	435	- - -	- - -	ND	ND	ND	ND	ND	ND	ND	ND
	F	0730,4/15-0730,4/16	423	6.5E-1	5.6E04	NO GAMMA SCAN							
	C	0730,4/15-0730,4/16	423	- - -	- - -	ND	ND	ND	ND	ND	ND	ND	ND
	F	0730,4/16-0700,4/17	414	5.1E00	4.3E05	NO GAMMA SCAN							
	C	0730,4/16-0700,4/17	414	- - -	- - -	5.8E-1	4.9E04	ND	ND	ND	ND	ND	ND
Round Mtn.	F	1146,4/14-1500,4/14	66	1.7E04	2.0E08	1.0E04	1.2E07	1.1E03	1.3E07	4.5E03	5.2E07	7.3E03	8.4E07
	F	1504,4/14-0850,4/15	358	2.3E02	1.5E07	1.5E01	1.1E06	1.8E01	1.2E06	5.0E01	3.2E06	3.1E01	2.0E06
	C	1504,4/14-0850,4/15	358	- - -	- - -	7.5E00	4.8E05	3.4E-1	2.2E04	3.6E01	2.3E06	1.9E01	1.2E06
	F	0850,4/15-1147,4/16	532	1.6E01	1.6E06	NO GAMMA SCAN							
	C	0850,4/15-1147,4/16	532	- - -	- - -	ND	ND	ND	ND	ND	ND	ND	ND
	F	1148,4/16-1135,4/17	481	6.5E00	5.6E05	NO GAMMA SCAN							
Tonopah	F	1200,4/14-0730,4/15	402	1.5E01	1.1E06	1.6E00	1.1E05	8.2E-1	5.8E04	9.0E00	6.3E05	4.0E00	2.8E05
	C	1200,4/14-0730,4/15	402	- - -	- - -	3.5E00	2.4E05	6.7E-1	4.7E04	2.0E01	1.4E06	9.2E00	6.4E05
	F	0735,4/15-1300,4/16	622	2.2E00	2.4E05	NO GAMMA SCAN							
Warm Spgs.	F	0600,4/14-1405,4/14	162	1.8E04	5.2E08	3.2E03	9.3E07	5.9E03	1.7E08	1.9E04	5.5E08	2.3E04	6.6E08
	C	0600,4/14-1405,4/14	162	- - -		5.3E02	1.5E07	2.1E02	6.1E06	3.9E03	1.1E08	8.6E03	2.5E08
	F	1405,4/14-1125,4/15	441	5.8E01	4.4E06	4.5E00	3.1E05	4.1E00	3.1E05	1.9E01	1.4E06	8.2E00	6.1E05
	C	1405,4/14-1125,4/15	441	- - -		1.1E01	8.4E05	4.1E00	3.1E05	6.6E01	5.0E06	2.7E01	2.1E06
	F	1125,4/15-1320,4/16	521	2.2E02	2.0E07	NO GAMMA SCAN							
	C	1125,4/15-1320,4/16	521	- - -	- - -	5.2E00	4.9E05	1.7E00	1.6E05	1.4E01	1.3E06	1.9E00	1.9E05
	F	1320,4/16-0900,4/17	396	9.0E00	6.4E05	NO GAMMA SCAN							

Appendix I (continued)

Location	Collector	Sampling Time and Date	Vol. (m^3)	Gross Beta		Radionuclide Analysis (pCi/m^3 and $pCi\text{-}sec/m^3$)							
				pCi/m^3	$pCi\text{-}sec/m^3$	^{131}I		^{132}I		^{133}I		^{135}I	
Nevada (cont.)													
Winnemucca	F	0720,4/14-0720,4/15	398	3.5E02	3.0E07	NO GAMMA SCAN							
	F	0720,4/15-0730,4/16	439	1.3E02	1.1E07	NO GAMMA SCAN							
	F	0730,4/16-0800,4/17	443	2.9E00	2.5E05	NO GAMMA SCAN							
Pott	F	1315,4/14-1250,4/15	477	3.7E03	3.1E08	5.1E02	4.3E07	5.1E02	4.3E07	1.2E03	1.0E07	6.6E02	5.5E07
	C	1315,4/14-1250,4/15	477	- - -	- - -	7.2E01	6.1E06	2.9E01	2.5E06	4.0E02	3.4E07	1.6E02	1.4E07
Clark Station	F	0412,4/14-1615,4/14	105	2.3E04	9.9E08	3.4E03	1.5E08	4.0E03	1.7E08	1.0E04	4.3E08	2.2E04	9.5E08
	C	0412,4/14-1615,4/14	105	- - -	- - -	6.7E02	2.9E07	3.0E02	1.3E07	6.1E03	2.6E08	9.5E03	4.1E08
	F	1624,4/14-0859,4/15	161	5.0E02	3.0E07	3.2E01	1.9E06	3.0E01	1.8E06	8.1E01	4.9E06	5.2E01	3.1E06
	C	1624,4/14-0859,4/15	161	- - -	- - -	2.0E01	1.2E06	6.8E00	4.1E05	1.2E02	7.2E06	5.5E01	3.3E06
Hwy. 6 & TTR Road	F	0330,4/14-1600,4/14	133	1.4E03	6.3E07	7.5E01	3.4E06	9.0E01	4.0E06	2.4E02	1.1E06	5.6E02	2.5E07
	C	0330,4/14-1600,4/14	133	- - -	- - -	3.6E01	1.6E06	7.4E00	3.3E05	1.8E02	8.1E06	3.5E02	1.6E07
	F	1600,4/14-1640,4/14	7	1.1E02	2.8E05	2.3E01	5.8E04	ND	ND	6.3E01	1.5E04	ND	ND
	C	1600,4/14-1640,4/14	7	- - -	- - -	ND	ND	ND	ND	ND	ND	ND	ND
Hwy. 25, 2 mi. N. of Fallini's Rch	F	0700,4/14-1300,4/14	61	2.8E02	6.2E06	2.3E01	5.1E05	2.8E01	6.2E05	8.7E01	1.9E06	1.6E02	3.5E06
	C	0700,4/14-1300,4/14	61	- - -	- - -	2.6E01	5.6E05	2.3E01	5.0E05	1.0E02	2.2E06	1.6E02	3.5E06
Hwy. 6, 8 mi. E. of TTR Road	F	1115,4/14-1235,4/14	22	8.7E04	4.1E08	8.2E03	3.9E07	8.6E03	4.1E07	3.3E04	1.6E08	9.1E04	4.4E08
	C	1115,4/14-1235,4/14	22	- - -	- - -	4.2E03	2.0E07	1.6E03	7.7E06	3.2E04	1.5E08	7.3E04	3.5E08
Idaho													
Boise	F	0800,4/15-0800,4/16	472	1.6E02	1.4E07	1.0E01	8.6E05	1.3E01	1.1E06	2.1E01	1.8E06	ND	ND
	F	0800,4/16-0900,4/17	492	1.2E00	1.1E05	NO GAMMA SCAN							
Preston	F	0900,4/16-0900,4/17	497	1.7E00	1.5E05	ND	ND	ND	ND	ND	ND	ND	ND
Twin Falls	F	0900,4/15-0915,4/16	441	5.3E00	4.6E05	NO GAMMA SCAN							

Appendix I (continued)

Location	Collector	Sampling Time and Date	Vol. (m^3)	Gross Beta		Radionuclide Analysis (pCi/m^3 and $pCi\text{-}sec/m^3$)							
				pCi/m^3	$pCi\text{-}sec/m^3$	^{131}I		^{132}I		^{133}I		^{135}I	
Utah													
Logan	F	0900,4/15-0830,4/16	449	1.1E00	9.2E04	NO GAMMA SCAN							
	F	0830,4/16-0930,4/17	505	1.2E00	1.1E05	ND	ND	ND	ND	ND	ND	ND	ND
Wendover	F	0830,4/15-0830,4/16	485	8.8E00	7.6E05	NO GAMMA SCAN							
	F	0830,4/16-0830,4/17	485	1.6E00	1.4E05	NO GAMMA SCAN							
	F	0830,4/17-0824,4/18	483	1.2E00	1.0E05	NO GAMMA SCAN							
Wyoming													
Rock Spgs.	F	0600,4/16-0600,4/17	448	5.9E00	5.1E05	NO GAMMA SCAN							

F= Whatman 541 filter
C = Charcoal Cartridge
ND= Non-detectable

Appendix II
Water Sampling Data for the Palanquin Event

Location	Date Collected	Type	Radionuclide Analyses (pCi/l at Collection Time)					
			Gross Alpha	Gross Beta	^{131}I	^{133}I	^{132}Te-I	^{135}I
Old Bell Ranch, Austin, Nev.	4/17	Tank	3.6	36	ND	ND	ND	ND
East City Limits, Battle Mtn., Nevada	4/16	Pond	11.0	536	300	490	250	ND
6 mi. E. of Battle Mtn., Nev.	4/16	Pond	13.7	1660	ND	ND	ND	ND
12 mi. E. of Battle Mtn., Nev.	4/16	Pond	3.7	806	280	580	160	ND
24 mi. E. of Battle Mtn., Nev.	4/16	Pond	13.7	1259	290	620	220	ND
30 mi. E. of Battle Mtn., Nev.	4/16	Pond	1.8	59	ND	ND	ND	ND
W.R. Rand Ranch, Carlin, Nevada	4/16	Pond	7.6	93	ND	ND	ND	ND
	4/17	Pond	2.1	168	ND	ND	ND	ND
Smiley Ranch, Deeth, Nev.	4/16	Spring	<0.1	22	ND	ND	ND	ND
	4/17	Spring	1.8	57	ND	ND	ND	ND
10 mi. W. of Elko, Nevada	4/16	Pond	<0.1	99	ND	ND	ND	ND
40 mi. W. of Eureka, Nevada	4/15	Pond	7.9	2082	26000	25000	39000	21000
Fish Creek Ranch, Eureka, Nevada	4/16	IrDitch	2.0	76	ND	ND	ND	ND
Martin Ranch, Eureka, Nev.	4/20	Tank	<0.1	22	340	ND	50	ND
	4/21	Tank	NGA	NGB	180	ND	ND	ND
	4/22	Tank	3.0	127	ND	ND	ND	ND
	5/07	Tank	1.7	4	180	ND	ND	ND

Appendix II (continued)

Location	Date Collected	Type	Radionuclide Analyses (pCi/l at Collection Time)					
			Gross Alpha	Gross Beta	^{131}I	^{133}I	^{132}Te-I	^{135}I
Segura Ranch, Eureka, Nev.	4/20	Tank	<0.1	15	160	ND	ND	ND
	4/21	Tank	NGA	NGB	210	ND	ND	ND
	4/22	Tank	4.7	22	190	ND	ND	ND
	5/07	Tank	1.9	10	150	ND	ND	ND
Glasser Ranch, Halleck, Nev.	4/16	Tank	<0.1	47	ND	ND	ND	ND
	4/17	Tank	3.6	36	ND	ND	ND	ND
B&M O'Toole Ranch, Ione, Nevada	5/11	Tap	10.6	12	ND	ND	ND	ND
	5/11	Tank	8.0	10	ND	ND	ND	ND
	5/19	Tank	13.4	26	No gamma scan			
Seyler Reservoir, Manhattan, Nevada	4/16	Pond	11.0	334	290	610	170	500
	4/18	Pond	16.4	220	160	130	100	ND
	4/19	Pond	11.0	227	160	120	70	ND
Peavine Ranch, Manhattan, Nevada	4/19	Tap	1.8	8	ND	ND	ND	ND
Hunts Canyon Ranch, Manhattan, Nevada	4/20	Pond	<0.1	83	160	ND	30	ND
Pine Creek Ranch, Manhattan, Nevada	5/12	Spring	<0.1	4	ND	ND	ND	ND
R.O. Ranch, Round Mtn., Nev.	4/19	River	1.9	19	ND	ND	ND	ND
Spanish Ranch, Tuscarora, Nevada	4/18	Pond	1.9	19	ND	ND	ND	ND
13 mi. W. of Warm Springs, Nevada	4/16	Pond	1.9	762	770	140	630	ND

Appendix II (continued)

Location	Date Collected	Type	Radionuclide Analyses (pCi/l at Collection Time)					
			Gross Alpha	Gross Beta	^{131}I	^{133}I	^{132}Te-I	^{135}I
Reed Ranch, Warm Spgs., Nev.	4/15	Tank	13.9	79	190	3000	180	ND
Stone Cabin Ranch, Warm Springs, Nevada	4/15	Spring	1.9	26866	110000	80000	110000	390000
	4/16	Spring	3.8	5530	1600	3300	1000	340
	4/16	Tap	<0.1	27	ND	ND	ND	ND
	4/18	Tap	<0.1	14	70	ND	40	ND
	5/07	Spring	<0.1	14	ND	ND	ND	ND
Clark Station Ranch, Warm Springs, Nevada	4/15	Tank	<0.1	391	410	690	270	170
	5/07	Spring	1.8	12	ND	ND	ND	ND
Fallini's Ranch, Warm Spgs., Nevada	4/15	Pond	5.5	239	90	180	100	140
	4/17	Pond	3.7	156	110	ND	130	ND
3-V Dairy, Winnemucca, Nev.	4/17	Tank	1.9	57	ND	ND	ND	ND
Boise, Idaho	4/22	Canal	NGA	NGB	ND	ND	ND	ND
9 mi. E. of Boise, Idaho	4/22	Rain	NGA	NGB	ND	ND	ND	ND
20 mi. E. of Boise, Idaho	4/22	Rain	NGA	NGB	ND	ND	ND	ND
Grangeville Creamery, Grangeville, Idaho	4/27	Unknown	NGA	NGB	ND	ND	ND	ND
	4/28	Unknown	NGA	NGB	ND	ND	ND	ND
	4/29	Unknown	NGA	NGB	ND	ND	ND	ND
Lewiston, Idaho	4/16	Rain	NGA	NGB	ND	ND	ND	ND
	4/16	Rain	NGA	NGB	ND	ND	ND	ND
McCall, Idaho	4/17	Pond	NGA	NGB	ND	ND	ND	ND
Lookout Summit, Mullan, Idaho	4/20	Rain	NGA	NGB	ND	ND	ND	ND

Appendix II (continued)

Location	Date Collected	Type	Radionuclide Analyses (pCi/l at Collection Time)					
			Gross Alpha	Gross Beta	^{131}I	^{133}I	^{132}Te-I	^{135}I
0.4 mi. W. of Mullan, Idaho	4/20	Rain	NGA	NGB	120	ND	60	ND
Nampa, Idaho	4/22	Pond	NGA	NGB	ND	ND	ND	ND
New Meadow, Idaho	4/17	Snow	NGA	NGB	ND	ND	ND	ND
	4/17	Snow	NGA	NGB	ND	ND	ND	ND
Post Falls, Idaho	4/20	Rain	NGA	NGB	ND	ND	ND	ND
Riggins, Idaho	4/17	Pond	NGA	NGB	ND	ND	ND	ND
Smelterville, Idaho	4/20	Rain	NGA	NGB	ND	ND	ND	ND
Tamarack, Idaho	4/17	Snow	NGA	NGB	ND	ND	ND	ND
Troy, Idaho	4/19	Snow	NGA	NGB	ND	ND	ND	ND
	4/19	Rain	NGA	NGB	ND	ND	ND	ND
Waha, Idaho	4/19	Pond	NGA	NGB	ND	ND	ND	ND
White Bird, Idaho	4/17#1	Snow	NGA	NGB	140	520	70	ND
	4/17#2	Snow	NGA	NGB	ND	ND	ND	ND
Billings, Montana	4/16	Rain	NGA	NGB	ND	ND	ND	ND
	4/18	Rain	NGA	NGB	ND	ND	ND	ND
Glasgow, Montana	4/16	Snow	NGA	NGB	ND	ND	ND	ND
	4/17	Snow	NGA	NGB	ND	ND	ND	ND
Great Falls, Montana	4/16	Snow	NGA	NGB	ND	ND	ND	ND
	4/17#1	Snow	NGA	NGB	ND	ND	ND	ND
	4/17#2	Snow	NGA	NGB	ND	ND	ND	ND
Havre, Montana	4/16	Rain	NGA	NGB	ND	ND	ND	ND

Appendix II (continued)

Location	Date Collected	Type	Radionuclide Analyses (pCi/l at Collection Time)					
			Gross Alpha	Gross Beta	^{131}I	^{133}I	^{132}Te-I	^{135}I
Helena, Montana	4/17	Snow	NGA	NGB	1800	ND	1600	ND
Kalispell, Montana	4/16	Rain	NGA	NGB	ND	ND	ND	ND
	4/17#1	Rain	NGA	NGB	ND	ND	ND	ND
	4/17#2	Rain	NGA	NGB	ND	ND	ND	ND
Missoula, Montana	4/16#1	Rain	NGA	NGB	ND	ND	ND	ND
	4/16#2	Rain	NGA	NGB	ND	ND	ND	ND
	4/16#3	Rain	NGA	NGB	2200	59000	2200	ND
Bismarck, North Dakota	4/17#1	Snow	NGA	NGB	ND	ND	ND	ND
	4/17#2	Snow	NGA	NGB	ND	ND	ND	ND
	4/27#1	Pond	NGA	NGB	ND	ND	ND	ND
	4/27#2	Pond	NGA	NGB	ND	ND	ND	ND
	4/27#3	Pond	NGA	NGB	ND	ND	ND	ND
Fargo, North Dakota	4/16	Rain	NGA	NGB	ND	ND	ND	ND
	4/26#1	Unknown	NGA	NGB	ND	ND	ND	ND
	4/26#2	Unknown	NGA	NGB	ND	ND	ND	ND
	4/26#3	Unknown	NGA	NGB	ND	ND	ND	ND
Williston, North Dakota	4/16	Pond	NGA	NGB	ND	ND	ND	ND
	4/17#1	Pond	NGA	NGB	ND	ND	ND	ND
	4/17#2	Pond	NGA	NGB	ND	ND	ND	ND
	4/27	Pond	NGA	NGB	ND	ND	ND	ND
Spokane, Washington	4/16	Rain	NGA	NGB	ND	ND	ND	ND
	4/17	Rain	NGA	NGB	ND	ND	ND	ND
Geiger Field, Spokane, Wash.	4/17	Rain	NGA	NGB	ND	ND	ND	ND

NGA= No Gross Alpha analysis made
NGB= No Gross Beta analysis made
ND = Non-Detectable

Appendix III

Vegetation Sample Data for the Palanquin Event

Location	Date Collected	No. of Samples	Type	Fresh Activity
0.6 mi. E. of Austin, Nevada	4/15	1	sage	P
45 mi. W. of Austin, Nevada	4/16	1	sage	P
Old Bell Ranch, Austin, Nevada	4/17	1	sage	P
Bell's Garage, Austin, Nevada	4/17	1	natural	P
Birch Creek Ranch, Austin, Nevada	4/17	1	hay	P
	4/17	1	sage	P
Dry Creek Ranch, Austin, Nevada	4/16, 17	2	hay	P
	4/17	1	sage	P
Young's Ranch, Austin, Nevada	4/17	1	sage	P
18 mi. NW of Baker, Nevada	4/15	1	natural	ND
Battle Mountain, Nevada	4/16	1	grass	P
0.5 mi. E. of Battle Mtn., Nev.	4/16	1	natural	P
3 mi. E. of Battle Mtn., Nevada	4/16	1	sage	P
6 mi. E. of Battle Mtn., Nevada	4/16	1	sage	P
9 mi. E. of Battle Mtn., Nevada	4/16	1	sage	P
15 mi. E. of Battle Mtn., Nev.	4/16	1	sage	P
Fish Creek Ranch, Battle Mtn., Nevada	4/18	1	hay	P
E. L. Fuller Ranch, Battle Mountain, Nevada	4/20, 22	2	pasture	P
	4/26	1	pasture	ND
Martin Ranch, Battle Mtn., Nevada	4/18	1	hay	P
Rufli Bros. Ranch, Battle Mtn., Nevada	4/18	1	hay	ND
Welch Ranch, Battle Mtn., Nev.	4/17	1	hay	ND
Blue Jay, Nevada	4/15, 16	1	natural	P
Young Ranch, Caliente, Nev.	4/15	1	hay	ND
	4/15	1	natural	ND

Appendix III (continued)

Location	Date Collected	No. of Samples	Type	Fresh Activity
W.R. Rand Ranch, Carlin, Nev.	4/17	1	hay	ND
Bradshaw Ranch, Currant, Nev.	4/17	1	hay	ND
Manzonie's Ranch, Currant, Nev.	4/17	1	hay	ND
Smiley Ranch, Deeth, Nevada	4/16, 17	2	hay	ND
15 mi. N. of Diablo, Nevada	4/15	1	natural	P
10 mi. N. of Diablo, Nevada	4/15	1	natural	P
5 mi. N. of Diablo, Nevada	4/15	1	natural	P
Diablo, Nevada	4/15	1	natural	P
10 mi. SE of Diablo, Nevada	4/15	1	natural	P
10 mi. S. of Diablo, Nevada	4/15	1	natural	P
Halstead Ranch, Duckwater, Nev.	4/17	1	hay	ND
Jct. 40&21, 6 mi. E. of Dunphy, Nevada	4/16	1	natural	P
3 mi. E. of Dunphy, Nevada	4/16	1	sage	P
Dunphy, Nevada	4/16	1	grass	P
3 mi. W. of Dunphy, Nevada	4/16	1	grass	P
6 mi. W. of Dunphy, Nevada	4/16	1	natural	P
Elko, Nevada	4/16	1	grass	ND
6 mi. W. of Elko, Nevada	4/16	1	sage	P
18 mi. W. of Elko, Nevada	4/16	1	sage	P
Geyser Ranch, Ely, Nevada	4/15	1	hay	ND
Yelland Ranch, Ely, Nevada	4/15	1	sage	ND
65 mi. W. of Eureka, Nevada	4/15, 16	2	sage	P
60 mi. W. of Eureka, Nevada	4/16	1	natural	P
55 mi. W. of Eureka, Nevada	4/15, 16	2	sage	P
50 mi. W. of Eureka, Nevada	4/15	1	sage	P
	4/16	1	grass	P
45 mi. W. of Eureka, Nevada	4/15	1	sage	P

Appendix III (continued)

Location	Date Collected	No. of Samples	Type	Fresh Activity
40 mi. W. of Eureka, Nevada	4/16	1	natural	P
35 mi. W. of Eureka, Nevada	4/15, 16	2	sage	P
30 mi. W. of Eureka, Nevada	4/15, 16	2	sage	P
25 mi. W. of Eureka, Nevada	4/15	1	natural	P
20 mi. W. of Eureka, Nevada	4/15	1	natural	P
15 mi. W. of Eureka, Nevada	4/15	1	natural	P
10 mi. W. of Eureka, Nevada	4/15	1	sage	P
5 mi. W. of Eureka, Nevada	4/15	1	sage	P
5 mi. E. of Eureka, Nevada	4/15	1	natural	ND
10 mi. E. of Eureka, Nevada	4/15	1	natural	P
40 mi. E. of Eureka, Nevada	4/15	1	sage	P
Arthur Cook Ranch, Eureka, Nevada	4/18	1	hay	ND
Cold Creek Ranch, Eureka, Nevada	4/17	1	hay	ND
Fish Creek Ranch, Eureka, Nevada	4/16	1	natural	P
	4/17	1	hay	ND
Labarry Ranch, Eureka, Nev.	4/16	1	natural	ND
	4/17	1	hay	ND
Martin Ranch, Eureka, Nev.	4/20, 21, 22	3	pasture	P
	4/20	1	hay	P
	5/05	1	sage	P
	5/07	1	pasture	P
	5/13	1	pasture	ND
Segura Ranch, Eureka, Nev.	4/20	1	pasture	P
	4/20	1	hay	ND
	4/21, 22	2	pasture	P
	5/05, 07	2	pasture	P
	5/13	1	hay	ND
Willows Ranch, Eureka, Nev.	5/13	1	hay	ND
3 mi. E. of Garrison, Utah	4/15	1	sage	ND

Appendix III (continued)

Location	Date Collected	No. of Samples	Type	Fresh Activity
Hot Springs Ranch, Golconda, Nevada	4/27	1	hay	P
Norcutt Ranch, Golconda, Nev.	4/17	1	hay	ND
Glasser Ranch, Halleck, Nev.	4/16, 17	2	grass	P
B&M O'Toole, Ione, Nevada	5/05, 07	2	pasture	P
Lund, Nevada	4/15	1	natural	P
Scow Dairy, Lund, Nevada	4/17	1	hay	ND
Lee Hiatt Ranch, Manhattan, Nevada	4/16, 17, 18	3	natural	P
Peavine Ranch, Manhattan, Nevada	4/16, 18	2	natural	P
	4/16, 19, 20	3	hay	P
	4/21	1	hay	ND
Pine Creek Ranch, Manhattan, Nevada	4/16	1	sage	P
	5/05	1	natural	ND
	5/06	1	grass	P
	5/06	1	hay	ND
Mentaberry Ranch, McDermitt, Nevada	4/20	1	pasture	P
Boggio Ranch, Paradise Valley, Nevada	4/20	1	pasture	P
F. Buckingham Ranch, Paradise Valley, Nevada	4/21	1	pasture	P
Pasquale-Richard Ranch, Paradise Valley, Nevada	4/21, 30	2	pasture	P
	5/05, 27	2	pasture	P
Horlacher Ranch, Pioche, Nev.	4/15	1	natural	ND
	4/15	1	hay	ND
Berg's Ranch, Round Mtn., Nevada	4/17	1	natural	P
Darrough Springs, Round Mtn., Nevada	4/16	1	natural	P
J. Bar Neilson Ranch, Round Mountain, Nevada	4/16	1	sage	P

Appendix III (continued)

Location	Date Collected	No. of Samples	Type	Fresh Activity
R.O. Ranch, Round Mtn., Nev.	4/15, 16, 17	3	natural	P
	4/15	1	grass	P
Gene Testolen Ranch, Round Mountain, Nevada	4/17	1	natural	P
Triple T Ranch, Round Mtn., Nevada	4/16, 17	2	sage	P
Sunnyside, Nevada	4/15	1	natural	ND
Cloverdale Ranch, Tonopah, Nevada	4/17	1	natural	P
Tonopah, Nevada	4/15	1	natural	P
5 mi. E. of Tonopah, Nevada	4/15	1	sage	P
10 mi. E. of Tonopah, Nevada	4/15	1	sage	P
15 mi. E. of Tonopah, Nevada	4/15, 17	2	natural	P
20 mi. E. of Tonopah, Nevada	4/15	1	natural	P
25 mi. E. of Tonopah, Nevada	4/15	1	natural	P
Spanish Ranch, Tuscarora, Nev.	4/18	1	hay	ND
Hugh Hunter Ranch, Valmy, Nev.	4/18	1	hay	P
White House Ranch, Valmy, Nev.	4/17	1	hay	P
Warm Springs, Nevada	4/15, 17	2	natural	P
Clark Station, Warm Spgs., Nevada	4/15	1	sage	P
	4/17	1	natural	P
	4/19	1	hay	P
	4/24, 27	2	hay	ND
	4/28	1	hay	P
	5/07	1	natural	P
	5/13	1	hay	ND
2 mi. W. of Clark Station	4/16	1	sage	P
	4/16	1	natural	P
5 mi. E. of Clark Station	4/15	1	sage	P
5.5 mi. N. of Clark Station	4/15, 16	2	sage	P
5 mi. W. of Warm Springs, Nev.	4/15	1	natural	P
5 mi. SE of Warm Springs, Nev.	4/15	1	natural	P

Appendix III (continued)

Location	Date Collected	No. of Samples	Type	Fresh Activity
Fallini's Pond, Warm Spgs., Nevada	4/15	1	natural	P
5 mi. NE of Warm Spgs., Nev.	4/15	1	natural	P
10 mi. NE of Warm Spgs., Nev.	4/15	1	natural	P
Stone Cabin Ranch, Warm Spgs., Nevada	4/15, 16, 17	3	natural	P
	4/16, 18, 19	3	hay	P
	4/20, 25	2	hay	ND
	4/26	1	hay	P
	4/27, 28	2	hay	ND
	4/30	1	hay	P
	5/07	1	natural	P
Amos Brothers Ranch, Winnemucca, Nevada	4/21, 22, 23	3	pasture	P
Kings River Ranch, Winnemucca, Nevada	4/23	1	pasture	P
3-V Dairy, Winnemucca, Nev.	4/17	1	hay	ND
Cottonwood, Idaho	4/23	1	hay	ND
Grangeville, Idaho	4/23	1	hay	ND
Pollock, Idaho	4/17	1	grass	P
	4/17	1	natural	P
White Bird, Idaho	4/17	1	alfalfa	P
Valparaiso, Indiana	4/20	2	natural	ND
Aurora, Illinois	4/20	2	natural	ND
Dekalb, Illinois	4/20	2	natural	ND
Joliet, Illinois	4/20	2	natural	ND
Rockford, Illinois	4/20	1	grass	ND
	4/20	1	natural	ND
Beloit, Wisconsin	4/20	1	natural	ND

P = Present
ND= Non-detectable

Appendix IV a.

Milk Sampling Locations for the Palanquin Event

Number & Name of Ranch or Dairy	Location	Population			Type of Feed	Sampling Period	No. of Samples			Milk Exchanged
		Adult	Child	Milk Cows			Milk	Veg	Water	
1. Birch Creek Ranch	12 mi. S. of Austin, Nev.	2	4	2	Hay	4/17/65 to 4/19/65	3	2	0	no
2. Bozarth Ranch	35 mi. SE of Austin, Nev.	8	2	2	Hay	4/15/65 to 4/30/65	15	0	0	no
3. Dry Creek Ranch	18 mi. E. of Austin, Nev.	5	6	2	Hay	4/15/65 to 4/19/65	9	3	0	no
4. Erich Ranch	6 mi. N. of Austin, Nev.	4	0	1	Hay, Grain	4/17/65 to 4/27/65	2	0	0	no
5. Larry O'Toole Ranch	23 mi. SW of Austin, Nev.	2	0	1	Hay	4/17/65 to 4/30/65	13	0	0	no
6. Young's Ranch	16 mi. S. of Austin, Nev.	3	6	2	Hay	4/18/65 to 4/24/65	7	1	0	no
7. Blossom Ranch	4 mi. N. of Battle Mt., Nev.	2	3	1	Hay, Grain	4/17/65 to 5/27/65	19	0	0	no
8. Jim Dooley Ranch	60 mi. S. of Battle Mt., Nev.	2	1	1	Hay, Grain	4/19/65 to 4/27/65	10	0	0	no
9. Fish Creek Ranch	37 mi. S. of Battle Mt., Nev.	4	2	1	Hay, Grain	4/17/65 to 4/24/65	13	1	0	no
10. E.L. Fuller Ranch	58 mi. S. of Battle Mt., Nev.	4	1	3	Pasture	4/19/65 to 5/02/65	23	3	0	no
11. Lenaburg Ranch	60 mi. S. of Battle Mt., Nev.	2	1	1	Pasture, Grain	4/19/65 to 4/28/65	6	0	0	no

Appendix IV a. (continued)

Number & Name of Ranch or Dairy	Location	Population			Type of Feed	Sampling Period	No. of Samples			Milk Exchanged
		Adult	Child	Milk Cows			Milk	Veg	Water	
12. Martin Ranch	10 mi. S. of Battle Mt., Nev.	8	4	2	Hay, Grain	4/17/65 to 4/27/65	17	1	0	no
13. Rufli Bros. Ranch	22 mi. S. of Battle Mt., Nev.	3	0	1	Hay, Grain	4/17/65 to 4/24/65	8	1	0	no
14. T Lazy S Ranch	22 mi. E. of Battle Mt., Nev.	14	6	1	Hay, Grain	4/19/65 to 4/24/65	10	0	0	no
15. Trout Creek Ranch	20 mi. S. of Battle Mt., Nev.	2	3	2	Hay, Grain	4/20/65 to 5/26/65	9	0	0	no
16. A. Welch Ranch	1/2 mi. N. of Battle Mt., Nev.	3	1	1	Hay, Cake	4/16/65 to 4/26/65	11	1	0	no
17. Friesen Ranch	Beowawe, Nevada	3	2	1	Hay, Grain	4/19/65 to 4/24/65	9	0	0	no
18. Rose Colburn Ranch	7 mi. E. of Beowawe, Nev.	3	0	4	Hay, Grain	4/20/65 to 4/23/65	6	0	0	no
19. Young's Ranch	Caliente, Nevada	2	6	2	Hay	4/15/65	1	2	1	no
20. W.R. Rand Ranch	20 mi. S. of Carlin, Nev.	2	3	2	Hay	4/16/65 to 4/19/65	6	1	0	no
21. Blue Eagle Ranch	12 mi. S. of Currant, Nev.	2	2	2	Hay, Grain	4/15/65 to 5/06/65	2	0	0	no
22. Bradshaw Ranch	12 mi. N. of Currant, Nev.	3	0	1	Hay, Grain	4/17/65 to 4/19/65	5	1	0	no
23. Manzonie Ranch	3 mi. N. of Currant, Nev.	6	3	3	Hay, Grain	4/17/65 to 4/19/65	3	1	0	no

Appendix IV a. (continued)

Number & Name of Ranch or Dairy	Location	Population			Type of Feed	Sampling Period	No. of Samples			Milk Exchanged
		Adult	Child	Milk Cows			Milk	Veg	Water	
24. Smiley Ranch	7 mi. E. of Deeth, Nev.	2	2	5	Hay	4/16/65 to 4/19/65	7	2	2	no
25. Alder Creek Ranch	16 mi. SW of Denio, Nev.	1	0	1	Hay	4/20/65 to 4/24/65	4	0	0	no
26. Earl I. Smith Ranch	18 mi. S. of Denio, Nev.	4	2	1	Hay, Pasture	4/19/65 to 4/24/65	5	0	0	no
27. Halstead Ranch	Duckwater, Nevada	3	0	9	Hay, Grain	4/15/65 to 5/07/65	8	1	0	no
28. Geyser Ranch	45 mi. S. of Ely, Nevada	12	11	1	Hay, Pasture	4/15/65	1	1	0	no
29. Yelland Ranch	25 mi. E. of Ely, Nevada	5	0	1	Hay	4/15/65	1	1	1	no
30. Cold Creek Ranch	30 mi. NE of Eureka, Nev.	7	7	2	Hay, Grain	4/17/65 to 4/19/65	5	1	0	no
31. Arthur Cook Ranch	26 mi. NE of Eureka, Nev.	2	3	1	Hay, Pasture	4/18/65	1	1	0	no
32. Fish Creek Ranch	20 mi. S. of Eureka, Nev.	10	0	1	Hay, Pasture	4/15/65 to 5/05/65	8	2	1	no
33. Labarry Ranch	15 mi. NE of Eureka, Nev.	3	0	3	Hay, Grain	4/16/65 to 4/19/65	4	2	0	no
34. Martin Ranch	35 mi. SW of Eureka, Nev.	3	0	2	Hay, Grain & Pasture	4/16/65 to 5/24/65	58	7	4	4/19/65 to 5/13/65
35. Segura Ranch	35 mi. SW of Eureka, Nev.	4	3	1	Hay, Pasture	4/17/65 to 5/25/65	63	7	4	4/19/65 to 5/13/65

Appendix IV a. (continued)

Number & Name of Ranch or Dairy	Location	Population			Type of Feed	Sampling Period	No. of Samples			Milk Exchanged
		Adult	Child	Milk Cows			Milk	Veg	Water	
36. Willows Ranch	30 mi. W. of Eureka, Nev.	6	8	2	Hay	4/16/65 to 5/25/65	42	1	0	no
37. Gonder's Ranch	Garrison, Utah	8	2	3	Hay, Grain	4/15/65 to 5/05/65	2	0	0	no
38. Hot Springs Ranch	25 mi. NE of Golconda, Nev.	2	3	2	Hay, Pasture	4/21/65 to 4/28/65	12	1	0	no
39. Norcutt Ranch	2 mi. W. of Golconda, Nev.	6	3	1	Hay	4/16/65 to 4/27/65	19	1	0	no
40. Clay Tipton Ranch	Golconda, Nevada	2	4	1	Hay, Grain	4/20/65 to 5/27/65	5	0	0	no
41. Glenn Tipton Ranch	19 mi. SE of Golconda, Nev.	2	0	1	Hay	4/20/65 to 4/23/65	4	0	0	no
42. Hugh Tipton Ranch	14 mi. SE of Golconda, Nev.	3	2	2	Hay, Pasture	4/20/65 to 4/28/65	11	0	0	no
43. Upper Clover Ranch	37 mi. NE of Golconda, Nev.	10	2	2	Hay, Grain	4/20/65 to 4/26/65	9	0	0	no
44. Glasser Ranch	Halleck, Nevada	6	10	2	Hay, Cake	4/16/65 to 5/25/65	4	2	0	no
45. B&M O'Toole Ranch	12 mi. NE of Ione, Nev.	4	1	3	Hay, Pasture	4/17/65 to 5/25/65	41	2	4	4/19/65 to 5/13/65
46. Aufermaur Ranch	1 mi. N. of Lovelock, Nev.	3	3	2	Hay, Barley	4/20/65 to 4/24/65	7	0	0	no
47. Belzarena Ranch	57 mi. NE of Lovelock, Nev.	4	1	1	Hay	4/21/65 to 4/24/65	4	0	0	no

Appendix IV a. (continued)

Number & Name of Ranch or Dairy	Location	Population			Type of Feed	Sampling Period	No. of Samples			Milk Exchanged
		Adult	Child	Milk Cows			Milk	Veg	Water	
48. Nearing Ranch	1-1/2 mi. N. of Lovelock, Nev.	2	1	1	Hay, Barley	4/20/65 to 4/24/65	5	0	0	no
49. McKenzie Dairy	Lund, Nevada	-	-	55	Hay, Grain	4/14/65 to 4/23/65	7	0	0	no
50. Scow Dairy	Lund, Nevada	-	-	55	Hay, Grain	4/17/65	1	1	0	no
51. Lee Hiatt Ranch	Manhattan, Nevada	2	3	1	Hay	4/16/65 to 5/26/65	14	2	0	no
52. Peavine Ranch	12 mi. W. of Manhattan, Nev.	8	3	2	Hay	4/15/65 to 5/05/65	37	6	1	4/17/65 to 4/24/65
53. Pine Creek Ranch	25 mi. NE of Manhattan, Nev.	1	0	1	Hay	4/15/65 to 5/26/65	35	4	1	4/19/65 to 5/13/65
54. Lucky 7 Ranch	3 mi. W. of McDermit, Nev.	4	7	2	Hay	4/20/65 to 4/27/65	9	0	0	no
55. Mentaberry Ranch	12 mi. W. of McDermit, Nev.	4	6	6	Hay, Pasture	4/20/65 to 5/04/65	13	1	0	no
56. U.C. Ranch	7 mi. S. of McDermit, Nev.	8	1	1	Hay	4/20/65 to 4/29/65	10	0	0	no
57. Sharp's Ranch	Nyala, Nevada	3	0	1	Hay	4/06/65 to 4/19/65	4	0	0	no
58. Flying V Cattle Co.	26 mi. W. of Orovada, Nev.	3	1	1	Hay	4/22/65 to 4/24/65	5	0	0	no
59. Rio King Ranch	25 mi. NW of Orovada, Nev.	100	15	3	Hay	4/20/65 to 4/23/65	4	0	0	no

Appendix IV a. (continued)

Number & Name of Ranch or Dairy	Location	Population Adult	Child	Milk Cows	Type of Feed	Sampling Period	No. of Samples Milk	Veg	Water	Milk Exchanged
60. Boggio Ranch	Paradise Valley, Nevada	6	1	1	Hay, Pasture	4/20/65 to 5/26/65	17	1	0	4/22/65 to 5/02/65
61. F. Buckingham Ranch	4 mi. N. of Paradise Valley	2	3	1	Pasture	4/20/65 to 5/04/65	15	1	0	4/22/65 to 5/02/65
62. K. Buckingham Ranch	Paradise Valley, Nevada	4	1	1	Hay	4/23/65 to 4/27/65	2	0	0	no
63. Cerri Bros. Ranch	4 mi. E. of Paradise Valley	1	3	1	Hay	4/22/65 to 5/04/65	12	0	0	no
64. Alvin Miller Ranch	21 mi. SE of Paradise Valley	5	0	1	Hay	4/21/65 to 4/30/65	10	0	0	no
65. George Miller Ranch	8 mi. S. of Paradise Valley	3	0	1	Hay, Pasture	4/21/65 to 5/04/65	20	0	0	no
66. Lew Miller Ranch	2 mi. N. of Paradise Valley	2	1	3	Hay	4/21/65 to 4/27/65	12	0	0	no
67. Pasquale-Richard Rch	2 mi. N. of Paradise Valley	3	5	1	Grain, Pasture	4/20/65 to 5/26/65	30	4	0	4/22/65 to 5/02/65
68. C. Reconzone Ranch	0.3 mi. N. of Paradise Valley	2	1	2	Hay	4/20/65 to 4/28/65	15	0	0	no
69. Gavica Zatica Ranch	3-1/2 mi. SW of Paradise Vly	8	1	3	Hay	4/20/65 to 4/30/65	16	0	0	no
70. Horlacher's Ranch	Pioche, Nevada	3	1	3	Hay, Pasture	4/15/65	1	2	1	no
71. J-Bar Nielson Ranch	26 mi. N. of Round Mt., Nev.	2	3	1	Hay	4/16/65 to 4/30/65	12	1	0	no

Appendix IV a. (continued)

Number & Name of Ranch or Dairy	Location	Population			Type of Feed	Sampling Period	No. of Samples			Milk Exchanged
		Adult	Child	Milk Cows			Milk	Veg	Water	
72. R.O. Ranch	15 mi.N.of Round Mt.,Nev.	15	4	2	Hay	4/15/65 to 4/30/65	15	4	1	no
73. Triple T Ranch	30 mi.N.of Round Mt.,Nev.	3	5	2	Hay	4/17/65 to 4/23/65	5	2	0	no
74. Pumping Station Rch	15 mi.NE of Tonopah,Nev.	2	0	1	Hay, Pasture	4/28/65	1	0	0	no
75. Spanish Ranch	14 mi.NE of Tuscarora,Nev.	20	7	10	Hay, Grain	4/18/65 to 5/25/65	4	1	1	no
76. Hugh Hunter Ranch	3 mi.N.of Valmy, Nevada	2	0	6	Hay, Pasture	4/18/65 to 4/29/65	18	1	0	no
77. White House Ranch	12 mi.N.of Valmy, Nev.	14	5	3	Hay, Grain	4/17/65 to 4/26/65	15	1	0	no
78. Clarks Station Ranch	15 mi.W. of Warm Spgs.,Nev.	3	3	1	Hay	4/17/65 to 5/25/65	27	8	2	4/19/65 to 5/13/65
79. Fallini's Ranch	15 mi.E.of Warm Spgs.,Nev.	8	0	1	Hay, Grain	4/16/65 to 4/17/65	2	1	2	no
80. Stone Cabin Ranch	15 mi.W. of Warm Spgs.,Nev.	5	6	1	Hay	4/16/65 to 5/17/65	40	13	5	4/19/65 to 5/13/65
81. Aitken Ranch	3 mi.E. of Winnemucca,Nev.	6	3	3	Hay	4/27/65 to 5/01/65	5	0	0	no
82. Amos Bros. Ranch	7 mi.W.of Winnemucca,Nev.	2	3	1	Pasture	4/21/65 to 5/26/65	15	3	0	4/22/65 to 5/02/65
83. C. Donaldson Ranch	51 mi.N.of Winnemucca,Nev.	5	4	1	Hay, Grain	4/19/65 to 4/24/65	5	0	0	no

Appendix IV a. (continued)

Number & Name of Ranch or Dairy	Location	Population			Type of Feed	Sampling Period	No. of Samples			Milk Exchanged
		Adult	Child	Milk Cows			Milk	Veg	Water	
84. Ellison Home Ranch	50 mi. N. of Winnemucca, Nev.	10	4	2	Hay	4/19/65 to 4/24/65	8	0	0	no
85. Flat Creek Ranch	55 mi. N. of Winnemucca, Nev.	5	2	1	Hay	4/20/65 to 4/30/65	11	0	0	no
86. Lyle Frey Ranch	34 mi. N. of Winnemucca, Nev.	3	0	1	Hay	4/20/65 to 4/23/65	7	0	0	no
87. Happy Creek Ranch	63 mi. NW of Winnemucca	2	2	2	Hay	4/20/65 to 4/24/65	5	0	0	no
88. George Hill Ranch	51 mi. N. of Winnemucca	2	3	1	Hay	4/20/65 to 4/30/65	11	0	0	no
89. Kings River Ranch	70 mi. NW of Winnemucca	12	2	7	Hay, Pasture	4/20/65 to 4/24/65	10	1	0	no
90. Marquerqueaga Ranch	1 mi. W. of Winnemucca	2	2	1	Hay, Pasture	4/27/65 to 5/01/65	5	0	0	no
91. Nine Mile Ranch	60 mi. NW of Winnemucca	2	4	2	Hay	4/20/65 to 4/24/65	5	0	0	no
92. Quinn River Ranch	55 mi. NW of Winnemucca	8	3	3	Hay	4/19/65 to 4/24/65	5	0	0	no
93. Rebel Creek Ranch	41 mi. N. of Winnemucca	4	6	1	Hay	4/20/65 to 4/24/65	5	0	0	no
94. 3-V Dairy	3 mi. W. of Winnemucca, Nev.	-	-	35	Hay & Dairy Mix	4/17/65 to 4/24/65	15	1	1	no

Appendix IV b.

Milk Sampling Locations for the Palanquin Event

Out-of-state Mail-in Milk Surveillance Stations Activated following Palanquin

Number & Name of Dairy	Location	Sampling Period	No. of Samples
95. R. Cox Dairy	St. George, Utah	4/15 to 4/23	2
96. Brooklawn Creamery	Mt. Pleasant, Utah	4/17 to 4/23	7
97. Composite of Salt Lake Dairies	Salt Lake City, Utah	4/16 to 4/26	6
98. Cache Valley Dairy Assn.	Smithfield, Utah	4/16 to 4/27	9
99. Maple Leaf Dairy	Ogden, Utah	4/17 to 4/20	4
100. Nelson-Ricks Creamery Co.	Spanish Fork, Utah	4/16 to 4/23	6
101. Cammack Dairy	Blackfoot, Idaho	4/16 to 5/03	14
102. Clover Hollow Dairy	Mountain Home, Idaho	4/16 to 4/29	5
103. Coeur d'Alene Dairy	Coeur d'Alene, Idaho	4/14 to 5/01	16
104. Golden Grain Dairy Prod.	Lewiston, Idaho	4/16 to 4/29	14
105. Ida Gem Dairymen, Inc.	Jerome, Idaho	4/16 to 4/30	16
106. Idaho Creameries	Biose, Idaho	4/16 to 4/29	11
107. Grangeville Creamery	Grangeville, Idaho	4/16 to 4/22	7
108. Ray Terhaar Dairy	Grangeville, Ida.	4/23 to 5/09	12
109. Seubert Dairy	Grangeville, Ida.	4/23	1
110. Schumacher Dairy	Grangeville, Ida.	4/23 to 5/07	2
111. Stubbers Dairy	Grangeville, Ida.	4/24 to 5/09	9
112. Al Seri Dairy	Grangeville, Ida.	4/23 to 5/04	12
113. Jim Jessup Dairy	Grangeville, Ida.	4/23	1
114. E. V. Mattoon Dairy	Grangeville, Ida.	4/23 to 5/04	10
115. Smiths Dairy Prod.	Buhl, Idaho	4/15 to 4/29	12
116. Wallace Dairy	Idaho Falls, Ida.	4/17 to 4/29	11
117. Ward's Dairy	Pocatello, Idaho	4/18 to 4/23	7
118. Wymore Dairies	Burley, Idaho	4/15 to 4/30	15
119. Beatrice Foods Dairy	Casper, Wyoming	4/17 to 4/26	7
120. Cream of the Valley Dairy	Powell, Wyoming	4/16 to 4/23	7

Appendix IV b. (continued)Out-of-state Mail-in Milk Surveillance Stations Activated following Palanquin

Number & Name of Dairy	Location	Sampling Period	No. of Samples
121. Dairy Gold Foods	Cheyenne, Wyoming	4/17 to 4/27	7
122. Jersey Creamery, Inc.	Sheridan, Wyoming	4/17 to 4/20	3
123. Morning Star Dairy	Riverton, Wyoming	4/17 to 5/03	6
124. Wyoming Dairy Prod.	Rawlins, Wyoming	4/15 to 4/23	7
125. Bend Dairy	Bend, Oregon	4/18 to 4/25	6
126. Kilgore Dairy Co.	Redmond, Oregon	4/18 to 4/26	5
127. Klamath Falls Creamery	Klamath Falls, Oregon	4/16 to 4/26	6
128. Lakeview Cream.	Lakeview, Oregon	4/19 to 4/26	4
129. Mayflower Farms	Hermiston, Ore.	4/18 to 4/28	7
130. Gallatin Creamery	Bozeman, Montana	4/16 to 4/29	14
131. Equity Supply Co. Dairy	Kalispell, Montana	4/18 to 5/01	14
132. Vita Rich Dairy, Inc.	Havre, Montana	4/17 to 4/30	13
133. Sweet Grass Dairy	Big Timber, Montana	4/16 to 4/29	14
134. Sanitary Dairy, Inc.	Miles City, Montana	4/14 to 4/30	14
135. Safeway Stores, Inc.	Butte, Montana	4/15 to 5/04	14
136. Quality Milk Plant	Conrad, Montana	4/18 to 5/03	14
137. Lind's Dairy	Roundup, Mont.	4/19 to 5/05	14
138. Gate City Dairy, Inc.	Glendive, Mont.	4/16 to 5/02	14
139. Community Creamery	Missoula, Montana	4/16 to 4/30	14
140. Lewistown Creamery	Lewistown, Montana	4/16 to 5/13	9
141. Composite of Hardin Dairies	Hardin, Montana	4/22	1
142. Billings Creamery	Billings, Montana	4/15 to 4/30	14
143. Ayrshire Dairy	Great Falls, Mont.	4/15 to 5/01	13
144. College Dairy	College Place, Wash.	4/17 to 4/23	7
145. San Poil Dairy	Republic, Wash.	4/16 to 4/29	6
146. Twin City Creamery	Kennewick, Washington	4/19 to 4/21	3
147. No. 1 Darigold Dairy	Spokane, Wash.	4/19 to 4/29	6
148. No. 2 Carnation Dairy	Spokane, Wash.	4/17 to 4/30	5

Appendix IV b. (continued)Out-of-state Mail-in Milk Surveillance Stations Activated following Palanquin

Number & Name of Dairy	Location	Sampling Period	No. of Samples	Number & Name of Dairy	Location	Sampling Period	No. of Samples
149. No. 3 Darigold Dairy	Spokane, Wash.	4/19 to 4/28	6	152. Arden Farms	Moses Lake, Washington	4/17 to 4/18	2
150. No. 5 Carnation Dairy	Spokane, Wash.	4/17 to 4/30	6	153. Omak Meadow Moore Dairy	Omak, Wash.	4/19 to 4/29	6
151. Yakima City Creamery	Yakima, Wash.	4/18 to 5/02	7	154. Valparaiso Dairy	Valparaiso Indiana	4/20	1

Appendix V

Results of Milk Samples Collected for the Palanquin Event

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
AUSTIN NEV BOZARTH RANCH	04 15 65	ND	ND	5.0E1	B	4
AUSTIN NEV BOZARTH RANCH	04 17 65	2.9E2	1.4E2	1.6E2	B	5
AUSTIN NEV BOZARTH RANCH	04 19 65	6.0E2	3.6E2	1.5E2	B	6
AUSTIN NEV BOZARTH RANCH	04 20 65	1.5E2	ND	3.5E1	B	7
AUSTIN NEV BOZARTH RANCH	04 21 65	1.3E2	ND	5.5E1	B	7
AUSTIN NEV BOZARTH RANCH	04 22 65	1.1E2	ND	4.0E1	5	2
AUSTIN NEV BOZARTH RANCH	04 23 65	ND	ND	4.0E1	B	3
AUSTIN NEV BOZARTH RANCH	04 23 65	8.0E1	ND	3.5E1	5	2
AUSTIN NEV BOZARTH RANCH	04 23 65	7.0E1	ND	4.0E1	5	2
AUSTIN NEV BOZARTH RANCH	04 25 65	6.0E1	ND	3.0E1 NO		CHEM
AUSTIN NEV BOZARTH RANCH	04 26 65	8.0E1	ND	4.0E1	B	19
AUSTIN NEV BOZARTH RANCH	04 27 65	5.0E1	ND	3.5E1 NO		CHEM
AUSTIN NEV BOZARTH RANCH	04 28 65	ND	ND	4.5E1 NO		CHEM
AUSTIN NEV BOZARTH RANCH	04 29 65	ND	ND	4.0E1 NO		CHEM
AUSTIN NEV BOZARTH RANCH	04 30 65	ND	ND	3.5E1 NO		CHEM
AUSTIN NEV DRY CR RAN	04 15 65	9.0E1	6.1E2	1.0E2	B	46
AUSTIN NEV DRY CR RAN	04 15 65	1.7E2	1.5E3	1.4E2 NO		CHEM
AUSTIN NEV DRY CR RAN	04 16 65	2.5E2	5.7E2	1.8E2	B	52
AUSTIN NEV DRY CR RAN	04 16 65	5.0E1	7.0E1	4.1E2	B	50
AUSTIN NEV DRY CR RAN	04 17 65	1.9E2	2.7E2	3.1E2	B	52
AUSTIN NEV DRY CR RAN	04 17 65	7.0E1	4.0E1	3.6E2 NO		CHEM
AUSTIN NEV DRY CR RAN	04 18 65	2.1E2	1.1E2	2.6E2	B	45
AUSTIN NEV DRY CR RAN	04 18 65	7.0E1	ND	4.0E2	B	45
AUSTIN NEV DRY CR RAN	04 19 65	9.0E1	3.0E1	2.8E2	B	45
AUSTIN NEV L OTOOLE RANCH	04 17 65	1.9E2	1.6E2	1.3E2	B	12
AUSTIN NEV L OTOOLE RANCH	04 19 65	1.2E2	ND	1.4E2	30	29
AUSTIN NEV L OTOOLE RANCH	04 20 65	1.1E2	ND	9.0E1	30	29
AUSTIN NEV L OTOOLE RANCH	04 21 65	9.0E1	ND	1.0E2	B	30

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
AUSTIN NEV L OTOOLE RANCH	04 22 65	8.0E1	ND	7.0E1	20	38
AUSTIN NEV L OTOOLE RANCH	04 23 65	9.0E1	ND	1.0E2	20	38
AUSTIN NEV L OTOOLE RANCH	04 24 65	2.0E1	ND	6.5E1	B	18
AUSTIN NEV L OTOOLE RANCH	04 25 65	7.0E1	ND	1.0E2 NO		CHEM
AUSTIN NEV L OTOOLE RANCH	04 26 65	ND	ND	1.4E2 NO		CHEM
AUSTIN NEV L OTOOLE RANCH	04 27 65	ND	ND	8.5E1 NO		CHEM
AUSTIN NEV L OTOOLE RANCH	04 28 65	ND	ND	1.3E2 NO		CHEM
AUSTIN NEV L OTOOLE RANCH	04 29 65	4.0E1	ND	1.2E2 NO		CHEM
AUSTIN NEV L OTOOLE RANCH	04 30 65	ND	ND	1.7E2	B	15
AUSTIN NEV BIRCH CR RANCH	04 17 65	1.0E2	9.0E1	1.6E2	B	13
AUSTIN NEV BIRCH CR RANCH	04 18 65	7.0E1	4.0E1	1.8E2 NO		CHEM
AUSTIN NEV BIRCH CR RANCH	04 19 65	4.0E1	ND	1.2E2	B	13
AUSTIN NEV ERICH RANCH	04 17 65	1.3E2	9.0E1	2.3E2 NO		CHEM
AUSTIN NEV ERICH RANCH	04 27 65	ND	ND	2.3E2 NO		CHEM
AUSTIN NEV YOUNGS RANCH	04 18 65	9.0E1	2.0E1	1.6E2	B	24
AUSTIN NEV YOUNGS RANCH	04 19 65	1.1E2	6.0E1	1.3E2	B	12
AUSTIN NEV YOUNGS RANCH	04 20 65	5.0E1	ND	1.3E2 NO		CHEM
AUSTIN NEV YOUNGS RANCH	04 21 65	5.0E1	ND	1.2E2 NO		CHEM
AUSTIN NEV YOUNGS RANCH	04 22 65	ND	ND	1.4E2 NO		CHEM
AUSTIN NEV YOUNGS RANCH	04 23 65	ND	ND	1.1E2	B	18
AUSTIN NEV YOUNGS RANCH	04 24 65	3.0E1	ND	1.1E2 NO		CHEM
BATTLE MTN NEV BLOSSOM RANCH	04 17 65	8.0E1	5.0E1	1.4E2	B	12
BATTLE MTN NEV BLOSSOM RANCH	04 18 65	3.0E1	2.0E1	4.5E1	B	8
BATTLE MTN NEV BLOSSOM RANCH	04 18 65	5.0E1	ND	3.5E1	B	8
BATTLE MTN NEV BLOSSOM RANCH	04 19 65	ND	ND	1.4E2 NO		CHEM
BATTLE MTN NEV BLOSSOM RANCH	04 19 65	ND	ND	3.5E1	B	8
BATTLE MTN NEV BLOSSOM RANCH	04 20 65	3.0E1	ND	4.0E1	B	12
BATTLE MTN NEV BLOSSOM RANCH	04 21 65	2.0E1	ND	2.0E1 NO		CHEM

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
BATTLE MTN NEV BLOSSOM RANCH	04 21 65	4.0E1	ND	2.5E1	B	12
BATTLE MTN NEV BLOSSOM RANCH	04 22 65	3.0E1	ND	1.5E1	B	8
BATTLE MTN NEV BLOSSOM RANCH	04 22 65	ND	ND	1.7E2	B	8
BATTLE MTN NEV BLOSSOM RANCH	04 23 65	ND	ND	2.0E1	B	13
BATTLE MTN NEV BLOSSOM RANCH	04 23 65	3.0E1	ND	3.0E1	B	8
BATTLE MTN NEV BLOSSOM RANCH	04 24 65	ND	ND	3.5E1 NO		CHEM
BATTLE MTN NEV BLOSSOM RANCH	04 24 65	ND	ND	1.4E2 NO		CHEM
BATTLE MTN NEV BLOSSOM RANCH	04 25 65	ND	ND	3.0E1 NO		CHEM
BATTLE MTN NEV BLOSSOM RANCH	04 25 65	ND	ND	1.2E2 NO		CHEM
BATTLE MTN NEV BLOSSOM RANCH	04 26 65	ND	ND	1.5E1 NO		CHEM
BATTLE MTN NEV BLOSSOM RANCH	04 27 65	ND	ND	2.5E1	B	11
BATTLE MTN NEV BLOSSOM RANCH	05 27 65	5.0E1	ND	3.5E1	10	19
BATTLE MTN NEV JIM DOOLEY RANCH	04 19 65	4.0E1	ND	4.5E1	20	20
BATTLE MTN NEV JIM DOOLEY RANCH	04 [illegible] 65	4.0E1	ND	2.0E1 NO		CHEM
BATTLE MTN NEV JIM DOOLEY RANCH	04 [illegible] 65	3.0E1	ND	6.0E1 NO		CHEM
BATTLE MTN NEV JIM DOOLEY RANCH	04 21 65	ND	ND	4.5E1 NO		CHEM
BATTLE MTN NEV JIM DOOLEY RANCH	04 22 65	ND	ND	5.0E1 NO		CHEM
BATTLE MTN NEV JIM DOOLEY RANCH	04 22 65	3.0E1	ND	4.0E1 NO		CHEM
BATTLE MTN NEV JIM DOOLEY RANCH	04 23 65	ND	ND	3.0E1 NO		CHEM
BATTLE MTN NEV JIM DOOLEY RANCH	04 23 65	ND	ND	4.5E1	B	25
BATTLE MTN NEV JIM DOOLEY RANCH	04 24 65	ND	ND	4.0E1 NO		CHEM
BATTLE MTN NEV JIM DOOLEY RANCH	04 27 65	ND	ND	4.5E1 NO		CHEM
BATTLE MTN NEV FISH CREEK RANCH	04 17 65	4.0E1	ND	8.0E1	B	6
BATTLE MTN NEV FISH CREEK RANCH	04 18 65	ND	ND	5.5E1 NO		CHEM
BATTLE MTN NEV FISH CREEK RANCH	04 18 65	3.0E2	2.0E2	2.2E2	B	8
BATTLE MTN NEV FISH CREEK RANCH	04 19 65	3.0E1	ND	7.5E1	B	8
BATTLE MTN NEV FISH CREEK RANCH	04 19 65	ND	ND	7.0E1	B	10
BATTLE MTN NEV FISH CREEK RANCH	04 20 65	ND	ND	4.5E1	B	10

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
BATTLE MTN NEV FISH CREEK RANCH	04 21 65	3.0E1	ND	5.5E1	NO	CHEM
BATTLE MTN NEV FISH CREEK RANCH	04 21 65	2.0E1	ND	4.0E1	NO	CHEM
BATTLE MTN NEV FISH CREEK RANCH	04 22 65	ND	ND	4.0E1	5	5
BATTLE MTN NEV FISH CREEK RANCH	04 22 65	ND	ND	5.5E1	NO	CHEM
BATTLE MTN NEV FISH CREEK RANCH	04 23 65	ND	ND	1.6E2	NO	CHEM
BATTLE MTN NEV FISH CREEK RANCH	04 23 65	ND	ND	1.1E2	5	5
BATTLE MTN NEV FISH CREEK RANCH	04 24 65	ND	ND	1.9E2	NO	CHEM
BATTLE MTN NEV E L FULLER RANCH	04 19 65	6.7E2	1.8E2	1.2E2	20	15
BATTLE MTN NEV E L FULLER RANCH	04 20 65	6.4E2	1.1E2	8.5E1	20	15
BATTLE MTN NEV E L FULLER RANCH	04 20 65	1.2E2	ND	2.5E1	NO	CHEM
BATTLE MTN NEV E L FULLER RANCH	04 21 65	5.4E2	ND	6.5E1	B	25
BATTLE MTN NEV E L FULLER RANCH	04 21 65	2.2E2	ND	7.0E1	B	25
BATTLE MTN NEV E L FULLER RANCH	04 22 65	1.6E2	ND	3.0E1	B	25
BATTLE MTN NEV E L FULLER RANCH	04 22 65	3.2E2	ND	3.5E1	10	15
BATTLE MTN NEV E L FULLER RANCH	04 23 65	2.2E2	ND	5.0E1	B	20
BATTLE MTN NEV E L FULLER RANCH	04 23 65	3.5E2	ND	4.5E1	10	15
BATTLE MTN NEV E L FULLER RANCH	04 24 65	1.1E2	ND	5.5E1	NO	CHEM
BATTLE MTN NEV E L FULLER RANCH	04 24 65	8.0E1	ND	5.0E1	B	20
BATTLE MTN NEV E L FULLER RANCH	04 25 65	1.2E2	ND	5.0E1	B	20
BATTLE MTN NEV E L FULLER RANCH	04 25 65	1.2E2	ND	6.0E1	NO	CHEM
BATTLE MTN NEV E L FULLER RANCH	04 26 65	6.0E1	ND	5.0E1	B	19
BATTLE MTN NEV E L FULLER RANCH	04 26 65	5.0E1	ND	4.5E1		
BATTLE MTN NEV E L FULLER RANCH	04 27 65	5.0E1	ND	4.0E1	B	19
BATTLE MTN NEV E L FULLER RANCH	04 27 65	ND	ND	3.0E1	B	19
BATTLE MTN NEV E L FULLER RANCH	04 28 65	ND	ND	4.0E1	NO	CHEM
BATTLE MTN NEV E L FULLER RANCH	04 28 65	4.0E1	ND	4.5E1	NO	CHEM
BATTLE MTN NEV E L FULLER RANCH	04 29 65	7.0E1	ND	4.0E1	B	13
BATTLE MTN NEV E L FULLER RANCH	04 30 65	5.0E1	ND	4.0E1	B	20

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
BATTLE MTN NEV E L FULLER RANCH	05 01 65	5.0E1	ND	3.0E1	B	20
BATTLE MTN NEV E L FULLER RANCH	05 02 65	ND	ND	4.0E1	B	20
BATTLE MTN NEV T LAZY S RANCH	04 19 65	4.0E1	ND	9.0E1	B	10
BATTLE MTN NEV T LAZY S RANCH	04 20 65	4.0E1	ND	8.0E1 NO		CHEM
BATTLE MTN NEV T LAZY S RANCH	04 20 65	3.0E1	ND	8.0E1 NO		CHEM
BATTLE MTN NEV T LAZY S RANCH	04 21 65	4.0E1	ND	7.5E1 NO		CHEM
BATTLE MTN NEV T LAZY S RANCH	04 21 65	3.0E1	ND	7.5E1 NO		CHEM
BATTLE MTN NEV T LAZY S RANCH	04 22 65	ND	ND	7.0E1 NO		CHEM
BATTLE MTN NEV T LAZY S RANCH	04 22 65	4.0E1	ND	8.5E1	B	6
BATTLE MTN NEV T LAZY S RANCH	04 23 65	ND	ND	7.5E1 NO		CHEM
BATTLE MTN NEV T LAZY S RANCH	04 23 65	GAMMA	SCAN	LOST	B	6
BATTLE MTN NEV T LAZY S RANCH	04 24 65	ND	ND	7.0E1 NO		CHEM
BATTLE MTN NEV LENABURG RANCH	04 19 65	3.7E2	ND	5.5E2 NO		CHEM
BATTLE MTN NEV LENABURG RANCH	04 22 65	2.1E2	ND	3.2E2	B	22
BATTLE MTN NEV LENABURG RANCH	04 23 65	ND	ND	2.3E2	B	22
BATTLE MTN NEV LENABURG RANCH	04 25 65	1.1E2	ND	1.8E2	B	52
BATTLE MTN NEV LENABURG RANCH	04 26 65	6.0E1	ND	2.1E2	B	52
BATTLE MTN NEV LENABURG RANCH	04 28 65	9.0E1	ND	2.2E2	B	31
BATTLE MTN NEV MARTIN RANCH	04 17 65	9.0E1	1.3E2	3.0E2	B	44
BATTLE MTN NEV MARTIN RANCH	04 17 65	8.0E1	5.0E1	2.8E2	B	53
BATTLE MTN NEV MARTIN RANCH	04 18 65	1.3E2	7.0E1	3.4E2	B	44
BATTLE MTN NEV MARTIN RANCH	04 18 65	4.0E1	ND	2.6E2	B	44
BATTLE MTN NEV MARTIN RANCH	04 19 65	4.0E1	2.0E1	3.0E2	B	44
BATTLE MTN NEV MARTIN RANCH	04 19 65	3.0E1	ND	3.5E1 NO		CHEM
BATTLE MTN NEV MARTIN RANCH	04 20 65	ND	ND	2.9E2	B	52
BATTLE MTN NEV MARTIN RANCH	04 21 65	4.0E1	ND	2.9E2 NO		CHEM
BATTLE MTN NEV MARTIN RANCH	04 21 65	3.0E1	ND	2.9E2	B	43
BATTLE MTN NEV MARTIN RANCH	04 22 65	4.0E1	ND	2.5E2	B	43

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
BATTLE MTN NEV MARTIN RANCH	04 22 65	GAMMA	SCAN	LOST	20	56
BATTLE MTN NEV MARTIN RANCH	04 23 65	ND	ND	1.8E2 NO		CHEM
BATTLE MTN NEV MARTIN RANCH	04 23 65	2.0E1	ND	2.0E2 NO		CHEM
BATTLE MTN NEV MARTIN RANCH	04 24 65	ND	ND	1.2E2	B	22
BATTLE MTN NEV MARTIN RANCH	04 25 65	ND	ND	1.1E2 NO		CHEM
BATTLE MTN NEV MARTIN RANCH	04 26 65	ND	ND	1.4E2	35	44
BATTLE MTN NEV MARTIN RANCH	04 27 65	ND	ND	8.0E1 NO		CHEM
BATTLE MTN NEV RUFLI BROS RANCH	04 17 65	1.4E2	1.4E2	8.0E1	B	8
BATTLE MTN NEV RUFLI BROS RANCH	04 18 65	7.0E1	4.0E1	6.5E1 NO		CHEM
BATTLE MTN NEV RUFLI BROS RANCH	04 19 65	4.0E1	ND	5.5E1	B	8
BATTLE MTN NEV RUFLI BROS RANCH	04 20 65	ND	ND	2.7E2 NO		CHEM
BATTLE MTN NEV RUFLI BROS RANCH	04 21 65	3.0E1	ND	6.5E1 NO		CHEM
BATTLE MTN NEV RUFLI BROS RANCH	04 22 65	4.0E1	ND	7.0E1 NO		CHEM
BATTLE MTN NEV RUFLI BROS RANCH	04 23 65	ND	ND	4.5E1	B	8
BATTLE MTN NEV RUFLI BROS RANCH	04 24 65	ND	ND	6.0E1 NO		CHEM
BATTLE MTN NEV TROUT CRK RANCH	04 20 65	2.4E2	ND	4.5E1	B	24
BATTLE MTN NEV TROUT CRK RANCH	04 21 65	1.3E2	ND	4.5E1 NO		CHEM
BATTLE MTN NEV TROUT CRK RANCH	04 22 65	9.0E1	ND	4.5E1	B	20
BATTLE MTN NEV TROUT CRK RANCH	04 23 65	ND	ND	1.0E1	B	20
BATTLE MTN NEV TROUT CRK RANCH	04 27 65	4.0E1	ND	2.5E1	B	28
BATTLE MTN NEV TROUT CRK RANCH	04 25 65	1.6E2	ND	4.5E1 NO		CHEM
BATTLE MTN NEV TROUT CRK RANCH	04 26 65	9.0E1	ND	5.0E1	B	22
BATTLE MTN NEV TROUT CRK RANCH	04 27 65	9.0E1	ND	4.5E1	B	24
BATTLE MTN NEV TROUT CRK RANCH	05 26 65	ND	ND	6.5E1 NO		CHEM
BATTLE MTN NEV WELCH RANCH	04 16 65	1.5E2	1.6E2	1.8E2	B	18
BATTLE MTN NEV WELCH RANCH	04 17 65	1.1E2	7.0E1	1.6E2	B	24
BATTLE MTN NEV WELCH RANCH	04 18 65	1.1E2	4.0E1	1.8E2	10	11
BATTLE MTN NEV WELCH RANCH	04 20 65	ND	ND	4.0E1 NO		CHEM

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
BATTLE MTN NEV WELCH RANCH	04 20 65	7.0E1	ND	1.5E2	NO	CHEM
BATTLE MTN NEV WELCH RANCH	04 22 65	4.0E1	ND	1.5E2	B	15
BATTLE MTN NEV WELCH RANCH	04 23 65	ND	ND	1.5E2	NO	CHEM
BATTLE MTN NEV WELCH RANCH	04 24 65	ND	ND	1.4E2	NO	CHEM
BATTLE MTN NEV WELCH RANCH	04 24 65	4.0E1	ND	1.6E2	NO	CHEM
BATTLE MTN NEV WELCH RANCH	04 25 65	1.7E2	ND	1.3E2	NO	CHEM
BATTLE MTN NEV WELCH RANCH	04 26 65	1.6E2	ND	1.4E2	B	13
BEOWAWE NEV ROSE COLBURN RANCH	04 20 65	ND	ND	1.6E2	NO	CHEM
BEOWAWE NEV ROSE COLBURN RANCH	04 21 65	ND	ND	1.5E2	NO	CHEM
BEOWAWE NEV ROSE COLBURN RANCH	04 21 65	ND	ND	1.5E2	NO	CHEM
BEOWAWE NEV ROSE COLBURN RANCH	04 22 65	ND	ND	1.4E2	B	33
BEOWAWE NEV ROSE COLBURN RANCH	04 22 65	ND	ND	1.4E2	B	33
BEOWAWE NEV ROSE COLBURN RANCH	04 23 65	ND	ND	1.7E2	B	33
BEOWAWE NEV FRIESEN RANCH	04 19 65	ND	ND	1.0E2	B	16
BEOWAWE NEV FRIESEN RANCH	04 20 65	5.0E1	ND	1.1E2	B	16
BEOWAWE NEV FRIESEN RANCH	04 20 65	8.0E1	ND	1.5E2	B	20
BEOWAWE NEV FRIESEN RANCH	04 21 65	2.0E1	ND	1.3E2	NO	CHEM
BEOWAWE NEV FRIESEN RANCH	04 21 65	3.0E1	ND	1.2E2	NO	CHEM
BEOWAWE NEV FRIESEN RANCH	04 22 65	2.0E1	ND	1.4E2	NO	CHEM
BEOWAWE NEV FRIESEN RANCH	04 23 65	ND	ND	1.1E2	B	20
BEOWAWE NEV FRIESEN RANCH	04 23 65	ND	ND	1.0E2	NO	CHEM
BEOWAWE NEV FRIESEN RANCH	04 24 65	ND	ND	1.0E2	NO	CHEM
CALIENTE NEV YOUNG RANCH	04 15 65	ND	ND	5.0E1	B	6
CARLIN NEV W R RAND RANCH	04 16 65	4.0E1	6.0E1	1.9E2	B	19
CARLIN NEV W R RAND RANCH	04 17 65	ND	ND	1.6E2	NO	CHEM
CARLIN NEV W R RAND RANCH	04 17 65	ND	ND	1.3E2	B	13
CARLIN NEV W R RAND RANCH	04 18 65	ND	ND	1.4E2	B	24
CARLIN NEV W R RAND RANCH	04 18 65	ND	ND	1.6E2	B	24

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
CARLIN NEV W R RAND RANCH	04 19 65	ND	ND	1.4E2	B	13
CURRANT NEV BLUE EAGLE RANCH	04 16 65	ND	ND	1.6E2	B	10
CURRANT NEV BLUE EAGLE RANCH	05 06 65	ND	ND	9.5E1	B	14
CURRANT NEV BRADSHAW RANCH	04 17 65	ND	ND	3.0E1 NO		CHEM
CURRANT NEV BRADSHAW RANCH	04 17 65	ND	ND	4.0E1 NO		CHEM
CURRANT NEV BRADSHAW RANCH	04 18 65	ND	ND	3.0E1	B	4
CURRANT NEV BRADSHAW RANCH	04 18 65	ND	ND	2.5E1 NO		CHEM
CURRANT NEV BRADSHAW RANCH	04 19 65	ND	ND	4.5E1	B	4
CURRANT NEV MANZONIES RANCH	04 17 65	ND	ND	1.5E1 NO		CHEM
CURRANT NEV MANZONIES RANCH	04 18 65	ND	ND	2.5E1	B	5
CURRANT NEV MANZONIES RANCH	04 19 65	ND	ND	7.0E1	B	5
DEETH NEV SMILEY RANCH	04 16 65	ND	ND	1.8E2	B	51
DEETH NEV SMILEY RANCH	04 16 65	ND	ND	1.7E2	B	52
DEETH NEV SMILEY RANCH	04 17 65	ND	ND	2.4E2	B	49
DEETH NEV SMILEY RANCH	04 17 65	ND	ND	2.4E2	B	49
DEETH NEV SMILEY RANCH	04 18 65	ND	ND	2.4E2	B	49
DEETH NEV SMILEY RANCH	04 18 65	ND	ND	2.0E2	B	49
DEETH NEV SMILEY RANCH	04 19 65	ND	ND	2.1E2	B	49
DENIO NEV ALDER CREEK RANCH	04 20 65	ND	ND	1.2E2 NO		CHEM
DENIO NEV ALDER CREEK RANCH	04 21 65	ND	ND	1.2E2 NO		CHEM
DENIO NEV ALDER CREEK RANCH	04 22 65	ND	ND	1.5E2 NO		CHEM
DENIO NEV ALDER CREEK RANCH	04 24 65	ND	ND	1.5E2 NO		CHEM
DENIO NEV EARL SMITH RANCH	04 19 65	ND	ND	3.0E1	5	13
DENIO NEV EARL SMITH RANCH	04 21 65	ND	ND	6.0E1 NO		CHEM
DENIO NEV EARL SMITH RANCH	04 22 65	ND	ND	5.0E1	B	14
DENIO NEV EARL SMITH RANCH	04 23 65	ND	ND	3.0E1	B	14
DENIO NEV EARL SMITH RANCH	04 24 65	ND	ND	6.5E1 NO		CHEM
DUCKWATER NEV HALSTEAD RANCH	04 15 65	ND	ND	1.4E2	B	32

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
DUCKWATER NEV HALSTEAD RANCH	04 16 65	ND	ND	1.4E2	B	23
DUCKWATER NEV HALSTEAD RANCH	04 17 65	ND	ND	1.5E2 NO		CHEM
DUCKWATER NEV HALSTEAD RANCH	04 17 65	ND	ND	1.2E2 NO		CHEM
DUCKWATER NEV HALSTEAD RANCH	04 18 65	ND	ND	1.2E2	B	33
DUCKWATER NEV HALSTEAD RANCH	04 18 65	ND	ND	1.4E2	B	33
DUCKWATER NEV HALSTEAD RANCH	04 19 65	ND	ND	1.2E2	B	33
DUCKWATER NEV HALSTEAD RANCH	05 07 65	ND	ND	1.1E2	B	19
ELY NEV GEYSER RANCH	04 15 65	ND	ND	6.0E1	B	11
ELY NEV YELLAND RANCH	04 15 65	ND	ND	1.5E2	B	13
EUREKA NEV COLD CREEK RANCH	04 17 65	6.0E1	7.0E1	2.0E2 NO		CHEM
EUREKA NEV COLD CREEK RANCH	04 17 65	9.0E1	3.0E1	8.5E1 NO		CHEM
EUREKA NEV COLD CREEK RANCH	04 18 65	5.0E1	4.0E1	1.0E2	B	20
EUREKA NEV COLD CREEK RANCH	04 18 65	4.4E2	1.8E2	3.2E2	B	20
EUREKA NEV COLD CREEK RANCH	04 19 65	9.0E1	ND	1.3E2	B	20
EUREKA NEV ART COOK RANCH	04 18 65	3.0E1	ND	7.5E1	B	14
EUREKA NEV FISH CREEK RANCH	04 15 65	ND	ND	1.3E2	B	11
EUREKA NEV FISH CREEK RANCH	04 16 65	ND	ND	1.1E2	B	9
EUREKA NEV FISH CREEK RANCH	04 16 65	4.0E1	ND	8.0E1 NO		CHEM
EUREKA NEV FISH CREEK RANCH	04 17 65	9.0E1	7.1E1	1.0E2	B	12
EUREKA NEV FISH CREEK RANCH	04 17 65	5.0E1	2.0E1	1.2E2	B	9
EUREKA NEV FISH CREEK RANCH	04 18 65	2.0E1	ND	9.5E1 NO		CHEM
EUREKA NEV FISH CREEK RANCH	04 19 65	4.0E1	ND	1.4E2	B	10
EUREKA NEV FISH CREEK RANCH	05 05 65	ND	ND	1.5E2	B	27
EUREKA NEV LABARRY RANCH	04 16 65	ND	ND	8.0E1	B	26
EUREKA NEV LABARRY RANCH	04 17 65	ND	ND	9.0E1	B	32
EUREKA NEV LABARRY RANCH	04 18 65	ND	ND	9.0E1 NO		CHEM
EUREKA NEV LABARRY RANCH	04 19 65	ND	ND	1.0E2	B	28
EUREKA NEV MARTIN RANCH	04 16 65	2.5E3	3.7E3	2.3E2	B	16

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
EUREKA NEV MARTIN RANCH	04 18 65	1.1E4	5.9E3	3.3E2	35	70
EUREKA NEV MARTIN RANCH	04 19 65	1.1E4	4.1E3	4.4E2	50	46
EUREKA NEV MARTIN RANCH	04 20 65	7.2E3	1.2E3	6.3E2	50	46
EUREKA NEV MARTIN RANCH	04 20 65	5.1E3	1.0E3	4.0E2	50	46
EUREKA NEV MARTIN RANCH	04 21 65	8.6E3	5.5E2	3.2E2	45	55
EUREKA NEV MARTIN RANCH	04 21 65	4.2E3	4.0E2	5.3E2	45	55
EUREKA NEV MARTIN RANCH	04 22 65	9.0E3	6.0E2	3.2E2 NO		CHEM
EUREKA NEV MARTIN RANCH	04 22 65	4.3E3	ND	1.8E2	20	56
EUREKA NEV MARTIN RANCH	04 23 65	4.1E3	ND	2.9E2	20	56
EUREKA NEV MARTIN RANCH	04 23 65	5.6E3	ND	4.0E2	65	63
EUREKA NEV MARTIN RANCH	04 24 65	3.4E3	ND	2.2E2 NO		CHEM
EUREKA NEV MARTIN RANCH	04 24 65	5.7E3	ND	1.5E2 NO		CHEM
EUREKA NEV MARTIN RANCH	04 25 65	2.7E3	ND	2.8E2 NO		CHEM
EUREKA NEV MARTIN RANCH	04 25 65	3.2E3	ND	4.1E2 NO		CHEM
EUREKA NEV MARTIN RANCH	04 26 65	1.7E3	ND	3.3E2	35	44
EUREKA NEV MARTIN RANCH	04 26 65	2.4E3	ND	2.9E2	35	44
EUREKA NEV MARTIN RANCH	04 27 65	1.6E3	ND	2.9E2	25	49
EUREKA NEV MARTIN RANCH	04 27 65	1.9E3	ND	1.9E2	25	49
EUREKA NEV MARTIN RANCH	04 28 65	2.4E3	ND	2.4E2	25	49
EUREKA NEV MARTIN RANCH	04 28 65	1.8E3	ND	2.2E2	25	49
EUREKA NEV MARTIN RANCH	04 29 65	1.6E3	ND	2.0E2	45	55
EUREKA NEV MARTIN RANCH	04 30 65	1.3E3	ND	3.0E2	15	54
EUREKA NEV MARTIN RANCH	04 30 65	1.5E3	ND	2.8E2	45	55
EUREKA NEV MARTIN RANCH	05 02 65	7.1E2	ND	2.3E2	35	61
EUREKA NEV MARTIN RANCH	05 03 65	7.3E2	ND	1.6E2	35	61
EUREKA NEV MARTIN RANCH	05 03 65	7.8E2	ND	1.7E2	35	61
EUREKA NEV MARTIN RANCH	05 04 65	6.1E2	ND	2.2E2		
EUREKA NEV MARTIN RANCH	05 04 65	4.9E2	ND	2.2E2	15	60

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
EUREKA NEV MARTIN RANCH	05 05 65	4.8E2	ND	1.8E2	15	60
EUREKA NEV MARTIN RANCH	05 05 65	2.9E2	ND	1.7E2	15	60
EUREKA NEV MARTIN RANCH	05 06 65	3.7E2	ND	1.6E2	15	60
EUREKA NEV MARTIN RANCH	05 06 65	5.5E2	ND	1.5E2	40	59
EUREKA NEV MARTIN RANCH	05 08 65	4.7E2	ND	2.1E2	90	42
EUREKA NEV MARTIN RANCH	05 09 65	3.3E2	ND	1.9E2	NO	CHEM
EUREKA NEV MARTIN RANCH	05 10 65	2.6E2	ND	1.8E2	NO	CHEM
EUREKA NEV MARTIN RANCH	05 10 65	3.1E2	ND	1.4E2	NO	CHEM
EUREKA NEV MARTIN RANCH	05 11 65	3.3E2	ND	2.0E2	25	54
EUREKA NEV MARTIN RANCH	05 11 65	3.6E2	ND	1.6E2	90	42
EUREKA NEV MARTIN RANCH	05 12 65	1.5E2	ND	2.0E2	25	54
EUREKA NEV MARTIN RANCH	05 12 65	2.3E2	ND	1.8E2	40	72
EUREKA NEV MARTIN RANCH	05 13 65	2.9E2	ND	1.8E2	25	54
EUREKA NEV MARTIN RANCH	05 13 65	2.6E2	ND	1.9E2	5	66
EUREKA NEV MARTIN RANCH	05 14 65	3.7E2	ND	1.7E2	10	65
EUREKA NEV MARTIN RANCH	05 14 65	1.9E2	ND	2.0E2	10	65
EUREKA NEV MARTIN RANCH	05 15 65	3.6E2	ND	2.1E2	5	66
EUREKA NEV MARTIN RANCH	05 15 65	1.4E2	ND	1.6E2	10	65
EUREKA NEV MARTIN RANCH	05 16 65	2.2E2	ND	1.9E2	10	65
EUREKA NEV MARTIN RANCH	05 16 65	1.5E2	ND	1.5E2	5	66
EUREKA NEV MARTIN RANCH	05 17 65	1.0E2	ND	1.8E2	5	66
EUREKA NEV MARTIN RANCH	05 22 65	2.7E2	ND	1.5E2	25	43
EUREKA NEV MARTIN RANCH	05 24 65	2.9E2	ND	1.5E2	25	43
EUREKA NEV SEGURA RANCH	04 17 65	2.5E2	4.4E2	1.7E2	25	22
EUREKA NEV SEGURA RANCH	04 18 65	2.8E3	1.4E3	2.8E2	15	16
EUREKA NEV SEGURA RANCH	04 19 65	2.1E3	5.3E2	1.9E2	30	13
EUREKA NEV SEGURA RANCH	04 20 65	1.6E3	3.2E2	2.4E2	30	13
EUREKA NEV SEGURA RANCH	04 20 65	1.5E3	2.7E2	2.0E2	30	13

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
EUREKA NEV SEGURA RANCH	04 20 65	1.6E3	2.5E2	2.0E2	20	13
EUREKA NEV SEGURA RANCH	04 21 65	1.3E3	1.3E2	3.0E2	20	13
EUREKA NEV SEGURA RANCH	04 21 65	1.0E3	ND	1.8E2	20	35
EUREKA NEV SEGURA RANCH	04 22 65	1.3E3	ND	1.6E2	20	35
EUREKA NEV SEGURA RANCH	04 22 65	1.2E3	ND	1.4E2	20	35
EUREKA NEV SEGURA RANCH	04 23 65	2.0E2	ND	2.7E2	NO	CHEM
EUREKA NEV SEGURA RANCH	04 23 65	8.3E2	ND	1.5E2	20	35
EUREKA NEV SEGURA RANCH	04 24 65	5.4E2	ND	1.8E2	15	17
EUREKA NEV SEGURA RANCH	04 24 65	6.7E2	ND	1.4E2	20	20
EUREKA NEV SEGURA RANCH	04 25 65	4.6E2	ND	1.8E2	15	17
EUREKA NEV SEGURA RANCH	04 25 65	4.9E2	ND	9.5E1	15	17
EUREKA NEV SEGURA RANCH	04 26 65	6.2E2	ND	1.1E2	15	17
EUREKA NEV SEGURA RANCH	04 26 65	4.9E2	ND	9.0E1	B	21
EUREKA NEV SEGURA RANCH	04 27 65	4.3E2	ND	1.1E2	B	21
EUREKA NEV SEGURA RANCH	04 27 65	2.8E2	ND	1.0E2	B	21
EUREKA NEV SEGURA RANCH	04 28 65	2.2E2	ND	1.1E2	B	21
EUREKA NEV SEGURA RANCH	04 28 65	2.2E2	ND	9.0E1	B	22
EUREKA NEV SEGURA RANCH	04 29 65	1.7E2	ND	1.3E2	B	22
EUREKA NEV SEGURA RANCH	04 29 65	1.4E2	ND	5.0E1	B	22
EUREKA NEV SEGURA RANCH	04 30 65	1.4E2	ND	1.3E2	5	18
EUREKA NEV SEGURA RANCH	04 30 65	1.9E2	ND	1.1E2	5	18
EUREKA NEV SEGURA RANCH	05 01 65	1.4E2	ND	1.0E2	10	15
EUREKA NEV SEGURA RANCH	05 02 65	1.8E2	ND	1.2E2	10	15
EUREKA NEV SEGURA RANCH	05 03 65	2.3E2	ND	1.4E2	NO	CHEM
EUREKA NEV SEGURA RANCH	05 03 65	1.2E2	ND	1.1E2	10	14
EUREKA NEV SEGURA RANCH	05 04 65	1.2E2	ND	6.5E1	B	19
EUREKA NEV SEGURA RANCH	05 05 65	9.0E1	ND	6.0E1	B	19
EUREKA NEV SEGURA RANCH	05 05 65	7.0E1	ND	6.5E1	B	19

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
EUREKA NEV SEGURA RANCH	05 06 65	6.0E1	ND	9.5E1	NO	CHEM
EUREKA NEV SEGURA RANCH	05 06 65	1.0E2	ND	8.0E1	B	17
EUREKA NEV SEGURA RANCH	05 07 65	6.0E1	ND	9.0E1	B	20
EUREKA NEV SEGURA RANCH	05 08 65	9.0E1	ND	7.5E1	B	20
EUREKA NEV SEGURA RANCH	05 09 65	6.0E1	ND	7.5E1	B	20
EUREKA NEV SEGURA RANCH	05 10 65	4.0E1	ND	9.0E1	B	20
EUREKA NEV SEGURA RANCH	05 11 65	4.0E1	ND	1.1E2	B	31
EUREKA NEV SEGURA RANCH	05 11 65	ND	ND	1.1E2	B	20
EUREKA NEV SEGURA RANCH	05 12 65	7.0E1	ND	8.0E1	B	31
EUREKA NEV SEGURA RANCH	05 12 65	4.0E1	ND	1.0E2	B	31
EUREKA NEV SEGURA RANCH	05 13 65	5.0E1	ND	8.0E1	B	31
EUREKA NEV SEGURA RANCH	05 13 65	ND	ND	1.3E2	B	29
EUREKA NEV SEGURA RANCH	05 14 65	7.0E1	ND	8.5E1	B	29
EUREKA NEV SEGURA RANCH	05 14 65	ND	ND	9.5E1	B	29
EUREKA NEV SEGURA RANCH	05 15 65	ND	ND	9.0E1	B	29
EUREKA NEV SEGURA RANCH	05 15 65	ND	ND	1.1E2	B	29
EUREKA NEV SEGURA RANCH	05 16 65	7.0E1	ND	7.5E1	B	29
EUREKA NEV SEGURA RANCH	05 16 65	ND	ND	9.5E1	B	29
EUREKA NEV SEGURA RANCH	05 17 65	ND	ND	1.1E2	B	29
EUREKA NEV SEGURA RANCH	05 17 65	ND	ND	9.5E1	B	29
EUREKA NEV SEGURA RANCH	05 18 65	ND	ND	9.0E1	B	29
EUREKA NEV SEGURA RANCH	05 21 65	1.5E2	ND	1.1E2	10	29
EUREKA NEV SEGURA RANCH	05 23 65	2.5E2	ND	1.4E2	10	29
EUREKA NEV SEGURA RANCH	05 25 65	2.2E2	ND	9.0E1	10	29
EUREKA NEV WILLOWS RANCH	04 16 65	1.9E2	2.6E2	5.5E1	B	9
EUREKA NEV WILLOWS RANCH	04 17 65	1.5E2	1.7E2	4.0E1	B	8
EUREKA NEV WILLOWS RANCH	04 17 65	7.0E1	5.0E1	4.5E1	B	8

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
EUREKA NEV WILLOWS RANCH	04 18 65	8.0E1	ND	2.5E1	B	6
EUREKA NEV WILLOWS RANCH	04 18 65	9.0E1	4.0E1	3.5E1	B	6
EUREKA NEV WILLOWS RANCH	04 19 65	6.0E1	4.0E1	5.0E1	B	6
EUREKA NEV WILLOWS RANCH	04 19 65	1.0E2	2.0E1	4.0E1	B	10
EUREKA NEV WILLOWS RANCH	04 19 65	5.0E1	ND	4.5E1	B	6
EUREKA NEV WILLOWS RANCH	04 20 65	6.0E1	ND	2.5E1	B	10
EUREKA NEV WILLOWS RANCH	04 20 65	2.0E1	ND	1.5E1	B	11
EUREKA NEV WILLOWS RANCH	04 21 65	3.0E1	ND	2.5E1 NO		CHEM
EUREKA NEV WILLOWS RANCH	04 21 65	1.6E2	ND	2.5E1 NO		CHEM
EUREKA NEV WILLOWS RANCH	04 22 65	2.7E2	ND	4.0E1	B	17
EUREKA NEV WILLOWS RANCH	04 22 65	4.0E2	ND	3.0E1	B	17
EUREKA NEV WILLOWS RANCH	04 23 65	2.3E2	ND	6.0E1	B	11
EUREKA NEV WILLOWS RANCH	04 23 65	2.7E2	ND	4.0E1	B	17
EUREKA NEV WILLOWS RANCH	04 24 65	2.0E2	ND	3.5E1	B	12
EUREKA NEV WILLOWS RANCH	04 24 65	1.7E2	ND	6.0E1	B	11
EUREKA NEV WILLOWS RANCH	04 26 65	1.0E2	ND	4.5E1	10	14
EUREKA NEV WILLOWS RANCH	04 26 65	3.6E2	ND	1.1E2	B	18
EUREKA NEV WILLOWS RANCH	04 28 65	1.2E2	ND	4.5E1 NO		CHEM
EUREKA NEV WILLOWS RANCH	04 29 65	1.1E2	ND	4.5E1 NO		CHEM
EUREKA NEV WILLOWS RANCH	04 30 65	ND	ND	1.1E2 NO		CHEM
EUREKA NEV WILLOWS RANCH	05 01 65	9.0E1	ND	3.5E1 NO		CHEM
EUREKA NEV WILLOWS RANCH	05 02 65	9.0E1	ND	6.5E1	B	20
EUREKA NEV WILLOWS RANCH	05 05 65	ND	ND	4.0E1	B	15
EUREKA NEV WILLOWS RANCH	05 06 65	ND	ND	6.0E1	B	15
EUREKA NEV WILLOWS RANCH	05 06 65	8.0E1	ND	3.5E1	B	14
EUREKA NEV WILLOWS RANCH	05 08 65	ND	ND	6.5E1	B	18
EUREKA NEV WILLOWS RANCH	05 09 65	ND	ND	7.0E1	B	18
EUREKA NEV WILLOWS RANCH	05 10 65	ND	ND	4.5E1	B	18

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
EUREKA NEV WILLOWS RANCH	05 11 65	5.0E1	ND	5.0E1	B	16
EUREKA NEV WILLOWS RANCH	05 12 65	4.0E1	ND	3.5E1	B	16
EUREKA NEV WILLOWS RANCH	05 13 65	ND	ND	6.0E1	B	16
EUREKA NEV WILLOWS RANCH	05 14 65	ND	ND	6.0E1	B	18
EUREKA NEV WILLOWS RANCH	05 15 65	ND	ND	4.5E1	B	18
EUREKA NEV WILLOWS RANCH	05 16 65	ND	ND	3.0E1	B	18
EUREKA NEV WILLOWS RANCH	05 17 65	ND	ND	6.0E1	B	18
EUREKA NEV WILLOWS RANCH	05 19 65	ND	ND	6.5E1	B	18
EUREKA NEV WILLOWS RANCH	05 21 65	9.0E1	ND	5.5E1	NO	CHEM
EUREKA NEV WILLOWS RANCH	05 23 65	1.1E2	ND	7.5E1	20	24
EUREKA NEV WILLOWS RANCH	05 25 65	1.2E2	ND	6.5E1	20	24
GOLCONDA NEV NORCUTT RANCH	04 16 65	2.8E2	5.0E2	1.2E2	B	5
GOLCONDA NEV NORCUTT RANCH	04 17 65	2.3E2	3.6E2	8.0E1	B	4
GOLCONDA NEV NORCUTT RANCH	04 17 65	2.2E2	1.3E2	8.0E1	B	3
GOLCONDA NEV NORCUTT RANCH	04 18 65	1.0E2	4.0E1	5.0E1	NO	CHEM
GOLCONDA NEV NORCUTT RANCH	04 18 65	1.7E2	ND	1.8E2	B	5
GOLCONDA NEV NORCUTT RANCH	04 19 65	8.0E1	ND	6.0E1	B	5
GOLCONDA NEV NORCUTT RANCH	04 19 65	8.0E1	ND	5.0E1	NO	CHEM
GOLCONDA NEV NORCUTT RANCH	04 20 65	2.1E2	ND	1.2E2	NO	CHEM
GOLCONDA NEV NORCUTT RANCH	04 21 65	6.0E1	ND	4.5E1	B	2
GOLCONDA NEV NORCUTT RANCH	04 22 65	9.0E1	ND	4.0E1	B	2
GOLCONDA NEV NORCUTT RANCH	04 22 65	7.0E1	ND	5.5E1	B	2
GOLCONDA NEV NORCUTT RANCH	04 23 65	ND	ND	5.0E1	NO	CHEM
GOLCONDA NEV NORCOTT RANCH	04 23 65	4.0E1	ND	3.5E1	10	2
GOLCONDA NEV NORCUTT RANCH	04 24 65	ND	ND	4.0E1	NO	CHEM
GOLCONDA NEV NORCUTT RANCH	04 24 65	ND	ND	4.5E1	NO	CHEM
GOLCONDA NEV NORCUTT RANCH	04 25 65	ND	ND	2.0E1	NO	CHEM
GOLCONDA NEV NORCUTT RANCH	04 26 65	ND	ND	5.0E1	NO	CHEM

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
GOLCONDA NEV NORCUTT RANCH	04 26 65	ND	ND	2.5E1	NO	CHEM
GOLCONDA NEV NORCUTT RANCH	04 27 65	ND	ND	2.0E1	NO	CHEM
GOLCONDA NEV UPPER CLOVER RANCH	04 20 65	4.0E1	ND	1.0E2	B	28
GOLCONDA NEV UPPER CLOVER RANCH	04 21 65	3.0E1	ND	1.1E2	B	23
GOLCONDA NEV UPPER CLOVER RANCH	04 21 65	6.0E1	ND	9.0E1	NO	CHEM
GOLCONDA NEV UPPER CLOVER RANCH	04 22 65	5.0E1	ND	9.0E1	B	23
GOLCONDA NEV UPPER CLOVER RANCH	04 22 65	ND	ND	7.0E1	NO	CHEM
GOLCONDA NEV UPPER CLOVER RANCH	04 23 65	5.0E1	ND	1.1E2	B	30
GOLCONDA NEV UPPER CLOVER RANCH	04 24 65	ND	ND	1.1E2	NO	CHEM
GOLCONDA NEV UPPER CLOVER RANCH	04 25 65	ND	ND	9.0E1	NO	CHEM
GOLCONDA NEV UPPER CLOVER RANCH	04 26 65	ND	ND	1.2E2	10	20
GOLCONDA NEV HOT SPRINGS RANCH	04 21 65	1.1E2	ND	2.3E2	NO	CHEM
GOLCONDA NEV HOT SPRINGS RANCH	04 21 65	2.6E2	ND	2.0E2	B	13
GOLCONDA NEV HOT SPRINGS RANCH	04 22 65	6.3E2	ND	2.1E2	NO	CHEM
GOLCONDA NEV HOT SPRINGS RANCH	04 22 65	ND	ND	2.0E2	NO	CHEM
GOLCONDA NEV HOT SPRINGS RANCH	04 23 65	ND	ND	1.5E2	NO	CHEM
GOLCONDA NEV HOT SPRINGS RANCH	04 23 65	ND	ND	1.9E2	B	13
GOLCONDA NEV HOT SPRINGS RANCH	04 24 65	ND	ND	2.0E2	NO	CHEM
GOLCONDA NEV HOT SPRINGS RANCH	04 24 65	ND	ND	2.0E2	B	15
GOLCONDA NEV HOT SPRINGS RANCH	04 25 65	4.0E1	ND	2.0E2	NO	CHEM
GOLCONDA NEV HOT SPRINGS RANCH	04 26 65	ND	ND	1.2E2	NO	CHEM
GOLCONDA NEV HOT SPRINGS RANCH	04 27 65	ND	ND	1.4E2	NO	CHEM
GOLCONDA NEV HOT SPRINGS RANCH	04 28 65	ND	ND	1.5E2	NO	CHEM
GOLCONDA NEV CLAY TIPTON RANCH	04 20 65	8.0E1	ND	6.5E1	NO	CHEM
GOLCONDA NEV CLAY TIPTON RANCH	04 21 65	8.0E1	ND	7.0E1	10	7
GOLCONDA NEV CLAY TIPTON RANCH	04 22 65	8.0E1	ND	4.0E1	NO	CHEM
GOLCONDA NEV CLAY TIPTON RANCH	04 23 65	1.1E2	ND	1.7E2	10	7
GOLCONDA NEV CLAY TIPTON RANCH	05 27 65	ND	ND	6.0E1	10	4

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
GOLCONDA NEV GLENN TIPTON RANCH	04 20 65	2.0E1	ND	1.2E2	NO	CHEM
GOLCONDA NEV GLENN TIPTON RANCH	04 21 65	5.0E1	ND	1.3E2	NO	CHEM
GOLCONDA NEV GLENN TIPTON RANCH	04 22 65	ND	ND	7.5E1	NO	CHEM
GOLCONDA NEV GLENN TIPTON RANCH	04 23 65	ND	ND	7.5E1	B	19
GOLCONDA NEV HUGH TIPTON RANCH	04 20 65	ND	ND	2.0E1	NO	CHEM
GOLCONDA NEV HUGH TIPTON RANCH	04 20 65	7.0E1	ND	1.2E2	NO	CHEM
GOLCONDA NEV HUGH TIPTON RANCH	04 21 65	1.7E2	ND	1.8E2	NO	CHEM
GOLCONDA NEV HUGH TIPTON RANCH	04 22 65	1.4E2	ND	1.5E2	NO	CHEM
GOLCONDA NEV HUGH TIPTON RANCH	04 22 65	ND	ND	1.1E2	B	21
GOLCONDA NEV HUGH TIPTON RANCH	04 23 65	6.0E1	ND	5.5E1	NO	CHEM
GOLCONDA NEV HUGH TIPTON RANCH	04 24 65	ND	ND	1.2E2	NO	CHEM
GOLCONDA NEV HUGH TIPTON RANCH	04 25 65	5.0E1	ND	1.9E2	NO	CHEM
GOLCONDA NEV HUGH TIPTON RANCH	04 26 65	8.0E1	ND	1.6E2	NO	CHEM
GOLCONDA NEV HUGH TIPTON RANCH	04 27 65	ND	ND	9.0E1	NO	CHEM
GOLCONDA NEV HUGH TIPTON RANCH	04 28 65	ND	ND	1.0E2	B	15
HALLECK NEV GLASSER RANCH	04 16 65	ND	ND	1.9E2	NO	CHEM
HALLECK NEV GLASSER RANCH	04 17 65	ND	ND	2.5E2	NO	CHEM
HALLECK NEV GLASSER RANCH	04 18 65	1.4E2	1.0E2	2.1E2	NO	CHEM
HALLECK NEV GLASSER RANCH	05 25 65	9.0E1	ND	1.3E2	20	33
IONE NEV B/M OTOOLE RANCH	04 17 65	2.7E3	2.8E3	3.9E2	B	34
IONE NEV B/M OTOOLE RANCH	04 18 65	1.2E3	8.9E2	3.2E2	20	23
IONE NEV B/M OTOOLE RANCH	04 19 65	1.1E3	4.1E2	2.9E2	35	38
IONE NEV B/M OTOOLE RANCH	04 19 65	1.1E3	1.7E2	1.6E2	30	29
IONE NEV B/M OTOOLE RANCH	04 19 65	1.8E3	7.5E2	3.4E2	30	29
IONE NEV B/M OTOOLE RANCH	04 20 65	1.7E3	3.1E2	2.6E2	45	46
IONE NEV B/M OTOOLE RANCH	04 20 65	1.5E3	2.8E2	3.6E2	40	42
IONE NEV B/M OTOOLE RANCH	04 20 65	1.6E3	3.9E2	2.8E2	45	44
IONE NEV B/M OTOOLE RANCH	04 21 65	1.6E3	1.9E2	2.4E2	45	40

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
IONE NEV B/M OTOOLE RANCH	04 22 65	1.6E3	ND	1.8E2	65	39
IONE NEV B/M OTOOLE RANCH	04 22 65	2.7E3	ND	2.3E2	65	39
IONE NEV B/M OTOOLE RANCH	04 23 65	6.5E2	ND	1.6E2	20	38
IONE NEV B/M OTOOLE RANCH	04 24 65	5.6E2	ND	1.6E2	45	36
IONE NEV B/M OTOOLE RANCH	04 25 65	4.7E2	ND	1.0E2	15	39
IONE NEV B/M OTOOLE RANCH	04 25 65	4.6E2	ND	9.5E1	20	34
IONE NEV B/M OTOOLE RANCH	04 26 65	2.8E2	ND	8.5E1	20	34
IONE NEV B/M OTOOLE RANCH	04 26 65	6.0E1	ND	8.5E1	15	39
IONE NEV B/M OTOOLE RANCH	04 27 65	4.0E2	ND	9.0E1	B	35
IONE NEV B/M OTOOLE RANCH	04 27 65	3.8E2	ND	1.1E2	B	35
IONE NEV B/M OTOOLE RANCH	04 28 65	3.2E2	ND	7.0E1		
IONE NEV B/M OTOOLE RANCH	04 28 65	2.9E2	ND	6.0E1	NO	CHEM
IONE NEV B/M OTOOLE RANCH	04 29 65	2.1E2	ND	1.1E2	10	34
IONE NEV B/M OTOOLE RANCH	04 29 65	2.1E2	ND	7.5E1	10	34
IONE NEV B/M OTOOLE RANCH	04 30 65	1.7E2	ND	4.0E1	10	34
IONE NEV B/M OTOOLE RANCH	05 01 65	2.3E2	ND	5.5E1	B	27
IONE NEV B/M OTOOLE RANCH	05 01 65	2.3E2	ND	5.0E1	B	27
IONE NEV B/M OTOOLE RANCH	05 02 65	2.4E2	ND	5.5E1	15	34
IONE NEV B/M OTOOLE RANCH	05 02 65	2.2E2	ND	8.5E1	15	34
IONE NEV B/M OTOOLE RANCH	05 05 65	1.4E2	ND	6.5E1	15	36
IONE NEV B/M OTOOLE RANCH	05 06 65	1.7E2	ND	8.0E1	15	36
IONE NEV B/M OTOOLE RANCH	05 08 65	1.4E2	ND	1.0E2	60	30
IONE NEV B/M OTOOLE RANCH	05 09 65	1.8E2	ND	1.1E2	60	30
IONE NEV B/M OTOOLE RANCH	05 10 65	1.1E2	ND	6.0E1	60	30
IONE NEV B/M OTOOLE RANCH	05 12 65	1.2E2	ND	1.0E2	5	34
IONE NEV B/M OTOOLE RANCH	05 13 65	1.2E2	ND	5.5E1	5	34
IONE NEV B/M OTOOLE RANCH	05 14 65	3.0E1	ND	6.5E1	B	34
IONE NEV B/M OTOOLE RANCH	05 15 65	ND	ND	4.0E1	B	34

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
IONE NEV B/M OTOOLE RANCH	05 16 65	ND	ND	4.0E1	B	27
IONE NEV B/M OTOOLE RANCH	05 21 65	9.0E1	ND	2.5E1	10	23
IONE NEV B/M OTOOLE RANCH	05 23 65	1.2E2	ND	5.0E1	10	23
IONE NEV B/M OTOOLE RANCH	05 25 65	1.9E2	ND	8.5E1	10	23
LOVELOCK NEV AUFERMAUR RANCH	04 20 65	ND	ND	4.0E1	B	8
LOVELOCK NEV AUFERMAUR RANCH	04 21 65	ND	ND	2.0E1 NO		CHEM
LOVELOCK NEV AUFERMAUR RANCH	04 22 65	ND	ND	6.0E1 NO		CHEM
LOVELOCK NEV AUFERMAUR RANCH	04 22 65	ND	ND	5.0E1	B	5
LOVELOCK NEV AUFERMAUR RANCH	04 23 65	ND	ND	3.5E1 NO		CHEM
LOVELOCK NEV AUFERMAUR RANCH	04 23 65	ND	ND	3.0E1	B	5
LOVELOCK NEV AUFERMAUR RANCH	04 24 65	ND	ND	4.5E1 NO		CHEM
LOVELOCK NEV BELZARENA RANCH	04 21 65	ND	ND	1.0E2 NO		CHEM
LOVELOCK NEV BELZARENA RANCH	04 21 65	ND	ND	1.5E1 NO		CHEM
LOVELOCK NEV BELZARENA RANCH	04 23 65	ND	ND	3.0E1	B	4
LOVELOCK NEV BELZARENA RANCH	04 24 65	ND	ND	4.0E1 NO		CHEM
LOVELOCK NEV NEARING RANCH	04 20 65	ND	ND	2.0E1 NO		CHEM
LOVELOCK NEV NEARING RANCH	04 21 65	ND	ND	2.5E1 NO		CHEM
LOVELOCK NEV NEARING RANCH	04 22 65	ND	ND	1.5E1 NO		CHEM
LOVELOCK NEV NEARING RANCH	04 23 65	ND	ND	1.0E1	B	7
LOVELOCK NEV NEARING RANCH	04 24 65	ND	ND	ND NO		CHEM
LUND NEV MCKENZIE DAIRY	04 15 65	ND	ND	3.0E1	B	6
LUND NEV MCKENZIE DAIRY	04 16 65	8.0E1	1.4E2	1.4E2	B	5
LUND NEV MCKENZIE DAIRY	04 17 65	ND	ND	5.5E1	B	7
LUND NEV MCKENZIE DAIRY	04 18 65	2.0E1	ND	5.5E1 NO		CHEM
LUND NEV MCKENZIE DAIRY	04 18 65	ND	ND	3.5E1	B	5
LUND NEV MCKENZIE DAIRY	04 19 65	ND	ND	4.5E1	B	5
LUND NEV MCKENZIE DAIRY	04 23 65	ND	ND	5.5E1	B	8
LUND NEV SCOW DAIRY	04 17 65	ND	ND	5.0E1 NO		CHEM

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
MANHATTAN NEV LEE HIATT RANCH	04 16 65	4.7E2	1.1E3	2.0E2	B	23
MANHATTAN NEV LEE HIATT RANCH	04 17 65	5.8E2	5.7E2	2.1E2	B	24
MANHATTAN NEV LEE HIATT RANCH	04 18 65	1.8E2	2.0E2	1.1E2 NO		CHEM
MANHATTAN NEV LEE HIATT RANCH	04 19 65	3.1E2	ND	2.6E2 NO		CHEM
MANHATTAN NEV LEE HIATT RANCH	04 19 65	2.4E2	8.0E1	1.3E2 NO		CHEM
MANHATTAN NEV LEE HIATT RANCH	04 20 65	1.6E2	ND	1.3E2	B	16
MANHATTAN NEV LEE HIATT RANCH	04 21 65	1.0E2	ND	1.4E2	B	16
MANHATTAN NEV LEE HIATT RANCH	04 22 65	1.5E2	ND	1.5E2 NO		CHEM
MANHATTAN NEV LEE HIATT RANCH	04 24 65	8.0E1	ND	1.1E2	5	20
MANHATTAN NEV LEE HIATT RANCH	04 25 65	6.0E1	ND	1.4E2	B	26
MANHATTAN NEV LEE HIATT RANCH	04 27 65	5.0E1	ND	1.4E2 NO		CHEM
MANHATTAN NEV LEE HIATT RANCH	04 28 65	ND	ND	1.8E2 NO		CHEM
MANHATTAN NEV LEE HIATT RANCH	04 29 65	1.0E2	ND	1.8E2	B	22
MANHATTAN NEV LEE HIATT RANCH	05 26 65	ND	ND	1.5E2	B	26
MANHATTAN NEV PEAVINE RANCH	04 16 65	9.5E2	1.4E3	ND	B	10
MANHATTAN NEV PEAVINE RANCH	04 17 65	7.9E2	8.0E2	1.8E2	B	7
MANHATTAN NEV PEAVINE RANCH	04 17 65	3.6E2	2.4E2	1.6E2 NO		CHEM
MANHATTAN NEV PEAVINE RANCH	04 17 65	3.9E2	2.0E2	1.8E2 NO		CHEM
MANHATTAN NEV PEAVINE RANCH	04 18 65	3.5E2	2.0E2	1.1E2	B	5
MANHATTAN NEV PEAVINE RANCH	04 18 65	3.4E2	1.6E2	1.3E2	5	5
MANHATTAN NEV PEAVINE RANCH	04 18 65	1.7E2	9.0E1	1.0E2 NO		CHEM
MANHATTAN NEV PEAVINE RANCH	04 18 65	2.0E2	1.4E2	9.5E1	B	7
MANHATTAN NEV PEAVINE RANCH	04 19 65	5.0E2	3.9E2	2.1E2	B	7
MANHATTAN NEV PEAVINE RANCH	04 19 65	1.9E2	5.0E1	1.0E2	B	7
MANHATTAN NEV PEAVINE RANCH	04 19 65	1.1E2	5.0E1	7.0E1 NO		CHEM
MANHATTAN NEV PEAVINE RANCH	04 20 65	1.0E2	ND	6.5E1	B	20
MANHATTAN NEV PEAVINE RANCH	04 20 65	8.0E1	ND	4.0E1	B	20
MANHATTAN NEV PEAVINE RANCH	04 21 65	9.0E1	ND	4.5E1	B	20

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
MANHATTAN NEV PEAVINE RANCH	04 21 65	7.0E1	ND	4.0E1	NO	CHEM
MANHATTAN NEV PEAVINE RANCH	04 21 65	6.0E1	ND	4.0E1	NO	CHEM
MANHATTAN NEV PEAVINE RANCH	04 22 65	5.0E1	ND	2.5E1	NO	CHEM
MANHATTAN NEV PEAVINE RANCH	04 22 65	8.0E1	ND	4.0E1	B	5
MANHATTAN NEV PEAVINE RANCH	04 22 65	5.0E1	ND	5.5E1	NO	CHEM
MANHATTAN NEV PEAVINE RANCH	04 22 65	6.0E1	ND	2.0E1	NO	CHEM
MANHATTAN NEV PEAVINE RANCH	04 23 65	2.0E1	ND	4.0E1	B	5
MANHATTAN NEV PEAVINE RANCH	04 23 65	4.0E1	ND	5.5E1	B	5
MANHATTAN NEV PEAVINE RANCH	04 24 65	4.0E1	ND	3.5E1	B	3
MANHATTAN NEV PEAVINE RANCH	04 25 65	5.0E1	ND	3.5E1	NO	CHEM
MANHATTAN NEV PEAVINE RANCH	04 26 65	ND	ND	5.5E1	NO	CHEM
MANHATTAN NEV PEAVINE RANCH	04 27 65	ND	ND	4.5E1	NO	CHEM
MANHATTAN NEV PEAVINE RANCH	04 28 65	ND	ND	3.5E1	NO	CHEM
MANHATTAN NEV PEAVINE RANCH	04 29 65	ND	ND	3.0E1	NO	CHEM
MANHATTAN NEV PEAVINE RANCH	04 30 65	1.1E2	ND	7.5E1	B	6
MANHATTAN NEV PEAVINE RANCH	05 01 65	ND	ND	3.5E1	10	15
MANHATTAN NEV PEAVINE RANCH	05 05 65	ND	ND	4.0E1	B	2
MANHATTAN NEV PINE CRK RANCH	04 15 65	8.4E2	3.1E3	3.7E2	10	23
MANHATTAN NEV PINE CRK RANCH	04 16 65	1.6E3	5.6E3	5.0E1	10	33
MANHATTAN NEV PINE CRK RANCH	04 17 65	2.1E3	2.8E3	3.0E2	20	24
MANHATTAN NEV PINE CRK RANCH	04 17 65	9.8E2	7.2E2	2.7E2	30	38
MANHATTAN NEV PINE CRK RANCH	04 19 65	1.9E3	8.8E2	3.7E2	20	25
MANHATTAN NEV PINE CRK RANCH	04 20 65	5.3E2	1.1E2	1.8E2	NO	CHEM
MANHATTAN NEV PINE CRK RANCH	04 21 65	1.4E3	ND	1.5E2	15	22
MANHATTAN NEV PINE CRK RANCH	04 22 65	7.5E2	ND	1.1E2	15	24
MANHATTAN NEV PINE CRK RANCH	04 23 65	5.2E2	ND	1.5E2	B	25
MANHATTAN NEV PINE CRK RANCH	04 24 65	3.3E2	ND	1.1E2	B	17
MANHATTAN NEV PINE CRK RANCH	04 27 65	4.6E2	ND	1.5E2	B	27

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
MANHATTAN NEV PINE CRK RANCH	04 28 65	6.1E2	ND	1.2E2	20	18
MANHATTAN NEV PINE CRK RANCH	04 29 65	5.7E2	ND	1.2E2	20	22
MANHATTAN NEV PINE CRK RANCH	04 30 65	5.2E2	ND	1.5E2	10	31
MANHATTAN NEV PINE CRK RANCH	05 01 65	4.3E2	ND	1.5E2	10	31
MANHATTAN NEV PINE CRK RANCH	05 02 65	6.5E2	ND	1.3E2	B	34
MANHATTAN NEV PINE CRK RANCH	05 04 65	5.4E2	ND	1.2E2	25	31
MANHATTAN NEV PINE CRK RANCH	05 05 65	5.2E2	ND	1.6E2	B	40
MANHATTAN NEV PINE CRK RANCH	05 06 65	4.2E2	ND	1.2E2	B	40
MANHATTAN NEV PINE CRK RANCH	05 07 65	3.2E2	ND	1.3E2	B	21
MANHATTAN NEV PINE CRK RANCH	05 08 65	3.2E2	ND	1.1E2	15	28
MANHATTAN NEV PINE CRK RANCH	05 09 65	2.5E2	ND	1.8E2	15	28
MANHATTAN NEV PINE CRK RANCH	05 10 65	9.0E1	ND	1.3E2	15	28
MANHATTAN NEV PINE CRK RANCH	05 11 65	1.0E2	ND	1.5E2	15	28
MANHATTAN NEV PINE CRK RANCH	05 12 65	1.0E2	ND	1.1E2	5	24
MANHATTAN NEV PINE CRK RANCH	05 13 65	1.8E2	ND	1.2E2	5	24
MANHATTAN NEV PINE CRK RANCH	05 14 65	2.0E2	ND	9.0E1	B	27
MANHATTAN NEV PINE CRK RANCH	05 15 65	1.3E2	ND	1.1E2	B	27
MANHATTAN NEV PINE CRK RANCH	05 16 65	8.0E1	ND	1.1E2	B	27
MANHATTAN NEV PINE CRK RANCH	05 17 65	6.0E1	ND	8.5E1	B	27
MANHATTAN NEV PINE CRK RANCH	05 18 65	1.0E2	ND	1.1E2	B	27
MANHATTAN NEV PINE CRK RANCH	05 20 65	1.8E2	ND	1.0E2	10	30
MANHATTAN NEV PINE CRK RANCH	05 22 65	7.0E1	ND	1.5E2	10	30
MANHATTAN NEV PINE CRK RANCH	05 24 65	7.0E1	ND	1.2E2	10	30
MANHATTAN NEV PINE CRK RANCH	05 26 65	9.0E1	ND	1.6E2	10	30
MCDERMITT NEV LUCKY 7 RANCH	04 20 65	ND	ND	1.4E2 NO		CHEM
MCDERMITT NEV LUCKY 7 RANCH	04 21 65	ND	ND	1.6E2 NO		CHEM
MCDERMITT NEV LUCKY 7 RANCH	04 22 65	ND	ND	1.7E2 NO		CHEM
MCDERMITT NEV LUCKY 7 RANCH	04 22 65	ND	ND	4.0E1	10	23

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
MCDERMITT NEV LUCKY 7 RANCH	04 23 65	ND	ND	1.8E2	B	33
MCDERMITT NEV LUCKY 7 RANCH	04 23 65	3.0E1	ND	1.8E2	B	41
MCDERMITT NEV LUCKY 7 RANCH	04 24 65	ND	ND	1.6E2 NO		CHEM
MCDERMITT NEV LUCKY 7 RANCH	04 26 65	ND	ND	6.0E1 NO		CHEM
MCDERMITT NEV LUCKY 7 RANCH	04 27 65	ND	ND	1.7E2 NO		CHEM
MCDERMITT NEV MENTABERRY RANCH	04 20 65	7.9E2	1.6E2	1.4E2 NO		CHEM
MCDERMITT NEV MENTABERRY RANCH	04 21 65	6.5E2	ND	1.7E2	15	47
MCDERMITT NEV MENTABERRY RANCH	04 22 65	4.5E2	ND	1.4E2	15	47
MCDERMITT NEV MENTABERRY RANCH	04 23 65	3.1E2	ND	1.4E2	15	47
MCDERMITT NEV MENTABERRY RANCH	04 24 65	1.9E2	ND	9.5E1	45	66
MCDERMITT NEV MENTABERRY RANCH	04 25 65	1.6E2	ND	1.2E2	45	66
MCDERMITT NEV MENTABERRY RANCH	04 26 65	1.7E2	ND	1.5E2 NO		CHEM
MCDERMITT NEV MENTABERRY RANCH	04 27 65	ND	ND	1.5E2 NO		CHEM
MCDERMITT NEV MENTABERRY RANCH	04 28 65	8.0E1	ND	1.3E2	B	44
MCDERMITT NEV MENTABERRY RANCH	05 01 65	7.0E1	ND	5.0E1	B	32
MCDERMITT NEV MENTABERRY RANCH	05 02 65	ND	ND	9.0E1	B	32
MCDERMITT NEV MENTABERRY RANCH	05 03 65	ND	ND	7.5E1	B	32
MCDERMITT NEV MENTABERRY RANCH	05 04 65	ND	ND	6.5E1	B	32
MCDERMITT NEV U C RANCH	04 20 65	3.3E2	7.0E1	6.5E1	B	15
MCDERMITT NEV U C RANCH	04 21 65	3.2E2	ND	1.1E2	B	23
MCDERMITT NEV U C RANCH	04 22 65	2.2E2	ND	8.0E1	B	23
MCDERMITT NEV U C RANCH	04 23 65	1.1E2	ND	6.5E1	B	24
MCDERMITT NEV U C RANCH	04 24 65	8.0E1	ND	5.0E1 NO		CHEM
MCDERMITT NEV U C RANCH	04 25 65	7.0E1	ND	5.5E1	B	15
MCDERMITT NEV U C RANCH	04 26 65	8.0E1	ND	7.5E1 NO		CHEM
MCDERMITT NEV U C RANCH	04 27 65	ND	ND	2.0E1 NO		CHEM
MCDERMITT NEV U C RANCH	04 28 65	ND	ND	8.0E1 NO		CHEM
MCDERMITT NEV U C RANCH	04 29 65	ND	ND	9.5E1 NO		CHEM

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
NYALA NEV SHARPS RANCH	04 07 65	ND	ND	1.9E2	B	21
NYALA NEV SHARPS RANCH	04 16 65	ND	ND	1.5E2	B	23
NYALA NEV SHARPS RANCH	04 17 65	ND	ND	1.4E2	B	17
NYALA NEV SHARPS RANCH	04 19 65	ND	ND	1.9E2	NO	CHEM
OROVADA NEV FLYING V CATTLE CO	04 22 65	ND	ND	1.0E2	B	25
OROVADA NEV FLYING V CATTLE CO	04 22 65	ND	ND	1.1E2	NO	CHEM
OROVADA NEV FLYING V CATTLE CO	04 23 65	ND	ND	9.1E1	NO	CHEM
OROVADA NEV FLYING V CATTLE CO	04 23 65	ND	ND	1.0E2	NO	CHEM
OROVADA NEV FLYING V CATTLE CO	04 24 65	ND	ND	1.0E2	NO	CHEM
OROVADA NEV RIO KING RANCH	04 20 65	ND	ND	1.5E2	B	13
OROVADA NEV RIO KING RANCH	04 21 65	ND	ND	1.7E2	NO	CHEM
OROVADA NEV RIO KING RANCH	04 22 65	ND	ND	2.2E2	B	23
OROVADA NEV RIO KING RANCH	04 23 65	ND	ND	2.0E2	B	23
PARADISE VALLEY NEV BOGGIO RAN	04 20 65	4.1E3	5.6E2	2.4E2	NO	CHEM
PARADISE VALLEY NEV BOGGIO RAN	04 21 65	1.9E3	ND	2.6E2	10	23
PARADISE VALLEY NEV BOGGIO RAN	04 22 65	1.7E3	ND	1.5E2	10	23
PARADISE VALLEY NEV BOGGIO RAN	04 23 65	1.0E3	ND	2.2E2	B	22
PARADISE VALLEY NEV BOGGIO RAN	04 24 65	8.3E2	ND	1.8E2	B	24
PARADISE VALLEY NEV BOGGIO RAN	04 25 65	8.1E2	ND	9.0E1	3	24
PARADISE VALLEY NEV BOGGIO RAN	04 26 65	6.0E2	ND	8.5E1	B	22
PARADISE VALLEY NEV BOGGIO RAN	04 27 65	4.9E2	ND	1.2E2	10	16
PARADISE VALLEY NEV BOGGIO RAN	04 28 65	1.0E2	ND	1.7E2	10	16
PARADISE VALLEY NEV BOGGIO RAN	04 29 65	2.8E2	ND	9.5E1	3	20
PARADISE VALLEY NEV BOGGIO RAN	04 30 65	2.4E2	ND	1.2E2	B	20
PARADISE VALLEY NEV BOGGIO RAN	05 01 65	1.2E2	ND	1.2E2	B	20
PARADISE VALLEY NEV BOGGIO RAN	05 02 65	1.2E2	ND	1.0E2	B	20
PARADISE VALLEY NEV BOGGIO RAN	05 03 65	1.6E2	ND	1.0E2	B	20
PARADISE VALLEY NEV BOGGIO RAN	05 04 65	1.0E2	ND	6.5E1	B	16

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
PARADISE VALLEY NEV BOGGIO RAN	05 05 65	1.1E2	ND	6.0E1	B	17
PARADISE VALLEY NEV BOGGIO RAN	05 26 65	1.3E2	ND	6.5E1 NO		CHEM
PARADISE VALLEY NEV BUCKINGHAM	04 20 65	8.1E2	ND	1.2E2 NO		CHEM
PARADISE VALLEY NEV BUCKINGHAM	04 21 65	6.2E2	ND	1.7E2	10	37
PARADISE VALLEY NEV BUCKINGHAM	04 22 65	3.5E2	ND	1.6E2	10	37
PARADISE VALLEY NEV BUCKINGHAM	04 23 65	2.2E2	ND	1.1E2 NO		CHEM
PARADISE VALLEY NEV BUCKINGHAM	04 24 65	1.9E2	ND	1.2E2 NO		CHEM
PARADISE VALLEY NEV BUCKINGHAM	04 25 65	1.8E2	ND	8.0E1	10	32
PARADISE VALLEY NEV BUCKINGHAM	04 26 65	1.3E2	ND	9.5E1	20	25
PARADISE VALLEY NEV BUCKINGHAM	04 27 65	ND	ND	8.5E1 NO		CHEM
PARADISE VALLEY NEV BUCKINGHAM	04 28 65	ND	ND	6.5E1 NO		CHEM
PARADISE VALLEY NEV BUCKINGHAM	04 29 65	5.0E1	ND	9.0E1	10	20
PARADISE VALLEY NEV BUCKINGHAM	04 30 65	6.0E1	ND	4.5E1	10	20
PARADISE VALLEY NEV BUCKINGHAM	05 01 65	5.0E1	ND	4.0E1	10	20
PARADISE VALLEY NEV BUCKINGHAM	05 02 65	6.0E1	ND	5.0E1 NO		CHEM
PARADISE VALLEY NEV BUCKINGHAM	05 03 65	ND	ND	5.5E1	B	20
PARADISE VALLEY NEV BUCKINGHAM	05 04 65	ND	ND	5.5E1	B	20
PARADISE VAL NEV K BUCKINGHAM	04 23 65	6.0E1	ND	8.5E1	B	23
PARADISE VAL NEV K BUCKINGHAM	04 27 65	1.2E2	ND	4.0E1	B	23
PARADISE VALLEY NEV CERRI BROS	04 22 65	2.8E2	ND	7.5E1	B	12
PARADISE VALLEY NEV CERRI BROS	04 23 65	2.9E2	ND	9.0E1	B	12
PARADISE VALLEY NEV CERRI BROS	04 24 65	3.0E1	ND	2.1E2	B	30
PARADISE VALLEY NEV CERRI BROS	04 25 65	1.2E2	ND	1.0E2	B	30
PARADISE VALLEY NEV CERRI BROS	04 26 65	1.3E2	ND	7.5E1	B	27
PARADISE VALLEY NEV CERRI BROS	04 27 65	6.0E1	ND	6.5E1 NO		CHEM
PARADISE VALLEY NEV CERRI BROS	04 29 65	ND	ND	6.0E1	B	20
PARADISE VALLEY NEV CERRI BROS	04 30 65	5.0E1	ND	1.1E2	B	20
PARADISE VALLEY NEV CERRI BROS	05 01 65	1.2E2	ND	7.0E1	B	17

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
PARADISE VALLEY NEV CERRI BROS	05 02 65	6.0E1	ND	6.5E1	B	30
PARADISE VALLEY NEV CERRI BROS	05 03 65	1.6E2	ND	1.1E2	B	30
PARADISE VALLEY NEV CERRI BROS	05 04 65	1.2E2	ND	1.0E2	B	23
PARADISE VAL NEV A MILLER RAN	04 21 65	4.0E1	ND	1.0E2	NO	CHEM
PARADISE VAL NEV A MILLER RAN	04 22 65	,.0E1	ND	9.0E1	NO	CHEM
PARADISE VAL NEV A MILLER RAN	04 23 65	3.0E1	ND	7.5E1	B	4
PARADISE VAL NEV A MILLER RAN	04 24 65	4.0E1	ND	7.0E1	NO	CHEM
PARADISE VAL NEV A MILLER RAN	04 25 65	ND	ND	4.5E1	NO	CHEM
PARADISE VAL NEV A MILLER RAN	04 26 65	ND	ND	7.0E1	B	5
PARADISE VAL NEV A MILLER RAN	04 27 65	ND	ND	6.5E1	NO	CHEM
PARADISE VAL NEV A MILLER RAN	04 28 65	ND	ND	6.5E1	NO	CHEM
PARADISE VAL NEV A MILLER RAN	04 29 65	ND	ND	5.5E1	NO	CHEM
PARADISE VAL NEV A MILLER RAN	04 30 65	6.0E1	ND	1.3E2	B	9
PARADISE VAL NEV G MILLER RAN	04 21 65	1.0E2	ND	2.0E2	B	37
PARADISE VAL NEV G MILLER RAN	04 21 65	8.0E1	ND	1.7E2	NO	CHEM
PARADISE VAL NEV G MILLER RAN	04 22 65	8.0E1	ND	2.1E2	NO	CHEM
PARADISE VAL NEV G MILLER RAN	04 22 65	1.1E2	ND	1.4E2	B	37
PARADISE VAL NEV G MILLER RAN	04 23 65	1.9E2	ND	1.3E2	NO	CHEM
PARADISE VAL NEV G MILLER RAN	04 23 65	1.1E2	ND	1.4E2	NO	CHEM
PARADISE VAL NEV G MILLER RAN	04 24 65	1.4E2	ND	1.7E2	B	39
PARADISE VAL NEV G MILLER RAN	04 24 65	1.6E2	ND	1.2E2	B	39
PARADISE VAL NEV G MILLER RAN	04 25 65	1.8E2	ND	1.5E2	B	39
PARADISE VAL NEV G MILLER RAN	04 25 65	1.6E2	ND	1.2E2	B	35
PARADISE VAL NEV G MILLER RAN	04 26 65	1.8E2	ND	1.1E2	B	35
PARADISE VAL NEV G MILLER RAN	04 26 65	ND	ND	1.0E2	NO	CHEM
PARADISE VAL NEV G MILLER RAN	04 27 65	9.0E1	ND	1.3E2	B	35
PARADISE VAL NEV G MILLER RAN	04 28 65	6.0E1	ND	8.5E1	B	35
PARADISE VAL NEV G MILLER RAN	04 29 65	2.0E2	ND	7.0E1	B	40

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
PARADISE VAL NEV G MILLER RAN	04 30 65	5.0E1	ND	1.1E2	B	31
PARADISE VAL NEV G MILLER RAN	04 30 65	1.4E2	ND	1.4E2	B	31
PARADISE VAL NEV G MILLER RAN	05 02 65	ND	ND	1.0E2 NO		CHEM
PARADISE VAL NEV G MILLER RAN	05 03 65	3.0E1	ND	6.5E1	B	21
PARADISE VAL NEV G MILLER RAN	05 04 65	ND	ND	9.5E1	B	26
PARADISE VAL NEV L MILLER RAN	04 20 65	1.5E2	ND	7.5E1	B	10
PARADISE VAL NEV L MILLER RAN	04 21 65	5.0E1	ND	8.0E1	B	10
PARADISE VAL NEV L MILLER RAN	04 22 65	4.0E1	ND	7.5E1 NO		CHEM
PARADISE VAL NEV L MILLER RAN	04 23 65	2.0E1	ND	5.0E1 NO		CHEM
PARADISE VAL NEV L MILLER RAN	04 23 65	3.0E1	ND	9.0E1 NO		CHEM
PARADISE VAL NEV L MILLER RAN	04 24 65	ND	ND	7.0E1 NO		CHEM
PARADISE VAL NEV L MILLER RAN	04 24 65	ND	ND	7.0E1 NO		CHEM
PARADISE VAL NEV L MILLER RAN	04 25 65	ND	ND	6.0E1 NO		CHEM
PARADISE VAL NEV L MILLER RAN	04 25 65	ND	ND	7.5E1 NO		CHEM
PARADISE VAL NEV L MILLER RAN	04 26 65	ND	ND	7.0E1 NO		CHEM
PARADISE VAL NEV L MILLER RAN	04 26 65	ND	ND	5.5E1 NO		CHEM
PARADISE VAL NEV L MILLER RAN	04 27 65	ND	ND	3.5E1	B	12
PARADISE V NEV PASQUALE-RICHARD	04 20 65	5.5E3	6.6E2	2.6E2	B	15
PARADISE V NEV PASQUALE-RICHARD	04 20 65	5.4E3	ND	1.1E2	15	26
PARADISE V NEV PASQUALE-RICHARD	04 21 65	4.1E3	ND	1.8E2	15	26
PARADISE V NEV PASQUALE-RICHARD	04 22 65	3.1E3	ND	2.7E2	15	26
PARADISE V NEV PASQUALE-RICHARD	04 22 65	3.1E3	3.9E2	1.6E2	15	30
PARADISE V NEV PASQUALE-RICHARD	04 23 65	1.9E3	ND	2.1E2	15	21
PARADISE V NEV PASQUALE-RICHARD	04 23 65	2.2E3	1.3E2	1.6E2	15	30
PARADISE V NEV PASQUALE-RICHARD	04 24 65	1.6E3	ND	9.5E1	15	21
PARADISE V NEV PASQUALE-RICHARD	04 24 65	1.4E3	ND	1.7E2	15	21
PARADISE V NEV PASQUALE-RICHARD	04 25 65	1.3E3	ND	1.5E2	15	21
PARADISE V NEV PASQUALE-RICHARD	04 25 65	1.1E3	ND	1.6E2	15	19

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
PARADISE V NEV PASQUALE-RICHARD	04 26 65	1.0E3	ND	8.5E1	B	24
PARADISE V NEV PASQUALE-RICHARD	04 26 65	1.2E3	ND	9.0E1	15	19
PARADISE V NEV PASQUALE-RICHARD	04 27 65	7.8E2	ND	9.0E1	B	24
PARADISE V NEV PASQUALE-RICHARD	04 27 65	5.3E2	ND	9.5E1	B	24
PARADISE V NEV PASQUALE-RICHARD	04 28 65	6.8E2	ND	1.1E2	B	24
PARADISE V NEV PASQUALE-RICHARD	04 28 65	7.7E2	ND	6.5E1	B	11
PARADISE V NEV PASQUALE-RICHARD	04 29 65	4.4E2	ND	1.1E2	B	11
PARADISE V NEV PASQUALE-RICHARD	04 29 65	5.4E2	ND	1.1E2	B	11
PARADISE V NEV PASQUALE-RICHARD	04 30 65	3.9E2	ND	4.5E1	B	11
PARADISE V NEV PASQUALE-RICHARD	04 30 65	4.1E2	ND	5.0E1	B	11
PARADISE V NEV PASQUALE-RICHARD	05 01 65	3.2E2	ND	8.0E1	B	11
PARADISE V NEV PASQUALE-RICHARD	05 02 65	2.9E2	ND	5.0E1	B	16
PARADISE V NEV PASQUALE-RICHARD	05 03 65	2.1E2	ND	7.0E1	B	16
PARADISE V NEV PASQUALE-RICHARD	05 04 65	1.7E2	ND	5.5E1	B	16
PARADISE V NEV PASQUALE-RICHARD	05 05 65	1.6E2	ND	5.0E1	B	17
PARADISE V NEV PASQUALE-RICHARD	05 06 65	1.6E2	ND	5.0E1	B	20
PARADISE V NEV PASQUALE-RICHARD	05 07 65	1.6E2	ND	4.5E1	B	17
PARADISE V NEV PASQUALE-RICHARD	05 08 65	1.0E2	ND	4.5E1	B	18
PARADISE V NEV PASQUALE-RICHARD	05 26 65	1.7E2	ND	4.0E1	NO	CHEM
PARADISE VALLEY NEV RECANZONE	04 20 65	5.0E1	ND	8.5E1	NO	CHEM
PARADISE VALLEY NEV RECANZONE	04 20 65	4.0E1	ND	8.5E1	NO	CHEM
PARADISE VALLEY NEV RECANZONE	04 21 65	3.0E1	ND	8.5E1	NO	CHEM
PARADISE VALLEY NEV RECANZONE	04 22 65	3.0E1	ND	1.2E2	NO	CHEM
PARADISE VALLEY NEV RECANZONE	04 22 65	5.0E1	ND	1.1E2	B	20
PARADISE VALLEY NEV RECANZONE	04 23 65	ND	ND	1.1E2	NO	CHEM
PARADISE VALLEY NEV RECANZONE	04 23 65	4.0E1	ND	9.5E1	B	20
PARADISE VALLEY NEV RECANZONE	04 24 65	ND	ND	1.1E2	NO	CHEM
PARADISE VALLEY NEV RECANZONE	04 24 65	4.0E1	ND	1.0E2	B	22

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
PARADISE VALLEY NEV RECANZONE	04 25 65	ND	ND	1.3E2	B	22
PARADISE VALLEY NEV RECANZONE	04 25 65	ND	ND	1.1E2	B	20
PARADISE VALLEY NEV RECANZONE	04 26 65	ND	ND	1.1E2 NO		CHEM
PARADISE VALLEY NEV RECANZONE	04 26 65	1.2E2	ND	1.2E2 NO		CHEM
PARADISE VALLEY NEV RECANZONE	04 27 65	ND	ND	1.3E2 NO		CHEM
PARADISE VALLEY NEV RECANZONE	04 28 65	ND	ND	1.1E2 NO		CHEM
PARADISE VALLEY NEV ZATICA RAN	04 20 65	7.0E1	ND	4.5E1	B	14
PARADISE VALLEY NEV ZATICA RAN	04 21 65	1.1E2	ND	7.0E1	B	14
PARADISE VALLEY NEV ZATICA RAN	04 22 65	1.5E2	ND	8.0E1 NO		CHEM
PARADISE VALLEY NEV ZATICA RAN	04 22 65	7.0E1	ND	6.0E1	B	11
PARADISE VALLEY NEV ZATICA RAN	04 23 65	4.0E1	ND	5.0E1	B	13
PARADISE VALLEY NEV ZATICA RAN	04 23 65	5.0E1	ND	4.0E1 NO		CHEM
PARADISE VALLEY NEV ZATICA RAN	04 24 65	ND	ND	5.0E1 NO		CHEM
PARADISE VALLEY NEV ZATICA RAN	04 24 65	4.0E1	ND	5.0E1 NO		CHEM
PARADISE VALLEY NEV ZATICA RAN	04 25 65	ND	ND	1.0E1 NO		CHEM
PARADISE VALLEY NEV ZATICA RAN	04 25 65	ND	ND	5.5E1 NO		CHEM
PARADISE VALLEY NEV ZATICA RAN	04 26 65	ND	ND	3.0E1 NO		CHEM
PARADISE VALLEY NEV ZATICA RAN	04 26 65	ND	ND	7.0E1 NO		CHEM
PARADISE VALLEY NEV ZATICA RAN	04 27 65	ND	ND	3.0E1 NO		CHEM
PARADISE VALLEY NEV ZATICA RAN	04 28 65	ND	ND	3.5E1 NO		CHEM
PARADISE VALLEY NEV ZATICA RAN	04 29 65	ND	ND	5.5E1	B	10
PARADISE VALLEY NEV ZATICA RAN	04 30 65	ND	ND	5.0E1	B	10
PIOCHE NEV HORLACHERS RANCH	04 15 65	ND	ND	1.0E2	B	11
ROUND MTN NEV J-BAR NIELSON RAN	04 16 65	7.3E2	2.9E3	1.5E2 NO		CHEM
ROUND MTN NEV J-BAR NIELSON RAN	04 17 65	3.8E2	2.8E2	2.1E2	B	12
ROUND MTN NEV J-BAR NIELSON RAN	04 19 65	9.0E1	ND	8.5E1	B	27
ROUND MTN NEV J-BAR NIELSON RAN	04 20 65	1.7E2	ND	1.6E2	B	14
ROUND MTN NEV J-BAR NIELSON RAN	04 21 65	2.3E2	ND	1.5E2	B	14

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
ROUND MTN NEV J-BAR NIELSON RAN	04 24 65	6.0E1	ND	1.0E2	B	15
ROUND MTN NEV J BAR NIELSON RAN	04 25 65	ND	ND	8.0E1 NO		CHEM
ROUND MTN NEV J-BAR NIELSON RAN	04 26 65	3.0E1	ND	1.3E2	B	22
ROUND MTN NEV J BAR NIELSON RAN	04 27 65	ND	ND	1.5E2 NO		CHEM
ROUND MTN NEV J BAR NIELSON RAN	04 28 65	ND	ND	1.1E2 NO		CHEM
ROUND MTN NEV J-BAR NIELSON RAN	04 29 65	ND	ND	1.1E2	35	35
ROUND MTN NEV J-BAR NIELSON RAN	04 30 65	6.0E1	ND	1.8E2	35	35
ROUND MTN NEV R-O RANCH	04 15 65	3.1E2	1.4E3	1.5E2	B	12
ROUND MTN NEV R-O RANCH	04 16 65	1.7E2	3.7E2	7.0E1	B	7
ROUND MTN NEV R-O RANCH	04 17 65	1.0E2	1.0E2	5.0E1	B	8
ROUND MTN NEV R-O RANCH	04 18 65	5.0E1	ND	3.5E1	B	8
ROUND MTN NEV R-O RANCH	04 19 65	6.0E1	3.0E1	5.0E1	B	8
ROUND MTN NEV R-O RANCH	04 20 65	ND	ND	3.0E1	B	9
ROUND MTN NEV R-O RANCH	04 21 65	3.0E1	ND	3.5E1	B	9
ROUND MTN NEV R-O RANCH	04 22 65	5.0E1	ND	1.5E1 NO		CHEM
ROUND MTN NEV R-O RANCH	04 23 65	8.0E1	ND	3.0E1 NO		CHEM
ROUND MTN NEV R-O RANCH	04 24 65	ND	ND	ND	B	5
ROUND MTN NEV R-O RANCH	04 26 65	ND	ND	1.5E1 NO		CHEM
ROUND MTN NEV R-O RANCH	04 27 65	ND	ND	4.0E1 NO		CHEM
ROUND MTN NEV R-O RANCH	04 28 65	ND	ND	4.5E1 NO		CHEM
ROUND MTN NEV R-O RANCH	04 29 65	ND	ND	4.0E1 NO		CHEM
ROUND MTN NEV R-O RANCH	04 30 65	ND	ND	4.5E1	B	15
ROUND MTN NEV TRIPLE T RANCH	04 17 65	1.8E2	2.7E2	1.4E2	B	13
ROUND MTN NEV TRIPLE T RANCH	04 18 65	3.0E2	1.6E2	1.1E2	B	15
ROUND MTN NEV TRIPLE T RANCH	04 19 65	6.1E2	4.7E2	2.9E2	B	15
ROUND MTN NEV TRIPLE T RANCH	04 20 65	1.3E2	ND	6.5E1	B	12
ROUND MTN NEV TRIPLE T RANCH	04 23 65	ND	ND	1.0E2	B	17
TONOPAH NEV PUMPING STA RANCH	04 28 65	ND	ND	5.0E1 NO		CHEM

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
TUSCARORA NEV SPANISH RANCH	04 18 65	1.4E2	1.1E2	1.1E2	NO	CHEM
TUSCARORA NEV SPANISH RANCH	04 19 65	5.0E1	2.0E1	1.3E2	B	51
TUSCARORA NEV SPANISH RANCH	04 19 65	8.0E1	2.0E1	1.1E2	B	51
TUSCARORA NEV SPANISH RANCH	05 25 65	7.0E1	ND	1.3E2	NO	CHEM
VALMY NEV HUGH HUNTER RANCH	04 18 65	2.7E2	1.7E2	2.3E2	B	18
VALMY NEV HUGH HUNTER RANCH	04 18 65	2.3E2	7.0E1	1.9E2	B	18
VALMY NEV HUGH HUNTER RANCH	04 19 65	3.3E2	1.1E2	1.5E2	B	18
VALMY NEV HUGH HUNTER RANCH	04 19 65	2.9E2	1.3E2	1.1E2	B	27
VALMY NEV HUGH HUNTER RANCH	04 20 65	2.7E2	ND	1.3E2	B	27
VALMY NEV HUGH HUNTER RANCH	04 20 65	2.3E2	ND	1.1E2	B	28
VALMY NEV HUGH HUNTER RANCH	04 21 65	1.6E2	ND	1.2E2	B	28
VALMY NEV HUGH HUNTER RANCH	04 21 65	1.6E2	ND	1.2E2	NO	CHEM
VALMY NEV HUGH HUNTER RANCH	04 22 65	1.0E2	ND	1.2E2	NO	CHEM
VALMY NEV HUGH HUNTER RANCH	04 22 65	1.0E2	ND	7.5E1	B	21
VALMY NEV HUGH HUNTER RANCH	04 23 65	9.0E1	ND	9.5E1	B	16
VALMY NEV HUGH HUNTER RANCH	04 23 65	8.0E1	ND	8.0E1	B	21
VALMY NEV HUGH HUNTER RANCH	04 24 65	ND	ND	8.0E1	NO	CHEM
VALMY NEV HUGH HUNTER RANCH	04 25 65	7.0E1	ND	8.0E1	NO	CHEM
VALMY NEV HUGH HUNTER RANCH	04 26 65	ND	ND	1.7E2	NO	CHEM
VALMY NEV HUGH HUNTER RANCH	04 27 65	ND	ND	1.5E2	NO	CHEM
VALMY NEV HUGH HUNTER RANCH	04 28 65	ND	ND	7.0E1	B	15
VALMY NEV HUGH HUNTER RANCH	04 29 65	ND	ND	3.5E1	B	22
VALMY NEV WHITE HOUSE RANCH	04 17 65	1.5E2	2.1E2	1.5E2	B	26
VALMY NEV WHITE HOUSE RANCH	04 17 65	1.1E2	7.0E1	1.0E2	B	26
VALMY NEV WHITE HOUSE RANCH	04 18 65	1.2E2	6.0E1	1.0E2	B	25
VALMY NEV WHITE HOUSE RANCH	04 18 65	1.0E2	ND	1.0E2	B	25
VALMY NEV WHITE HOUSE RANCH	04 19 65	5.0E1	ND	7.5E1	B	25
VALMY NEV WHITE HOUSE RANCH	04 19 65	5.0E1	ND	1.0E2	NO	CHEM

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
VALMY NEV WHITE HOUSE RANCH	04 20 65	4.0E1	ND	8.5E1	NO	CHEM
VALMY NEV WHITE HOUSE RANCH	04 21 65	4.0E1	ND	1.1E2	B	37
VALMY NEV WHITE HOUSE RANCH	04 21 65	4.0E1	ND	7.5E1	NO	CHEM
VALMY NEV WHITE HOUSE RANCH	04 22 65	ND	ND	8.0E1	NO	CHEM
VALMY NEV WHITE HOUSE RANCH	04 22 65	3.0E1	ND	9.5E1	B	37
VALMY NEV WHITE HOUSE RANCH	04 23 65	2.0E1	ND	6.5E1	B	37
VALMY NEV WHITE HOUSE RANCH	04 24 65	ND	ND	6.0E1	NO	CHEM
VALMY NEV WHITE HOUSE RANCH	04 25 65	ND	ND	7.5E1	NO	CHEM
VALMY NEV WHITE HOUSE RANCH	04 26 65	ND	ND	9.0E1	NO	CHEM
WARM SPRINGS NEV CLARKS STATION	04 17 65	1.9E3	2.8E3	4.5E2	NO	CHEM
WARM SPRINGS NEV CLARKS STATION	04 18 65	1.3E3	9.1E2	3.9E2	NO	CHEM
WARM SPRINGS NEV CLARKS STATION	04 19 65	1.8E3	6.6E2	3.4E2	NO	CHEM
WARM SPRINGS NEV CLARKS STATION	04 21 65	9.2E2	ND	2.8E2	15	16
WARM SPRINGS NEV CLARKS STATION	04 22 65	7.9E2	ND	1.9E2	10	21
WARM SPRINGS NEV CLARKS STATION	04 23 65	8.9E2	ND	1.7E2	10	21
WARM SPRINGS NEV CLARKS STATION	04 24 65	6.5E2	ND	4.0E1	20	23
WARM SPRINGS NEV CLARKS STATION	04 25 65	1.1E3	ND	2.1E2	NO	CHEM
WARM SPRINGS NEV CLARKS STATION	04 27 65	7.4E2	ND	1.8E2	B	19
WARM SPRINGS NEV CLARKS STATION	04 28 65	6.5E2	ND	2.2E2	15	17
WARM SPRINGS NEV CLARKS STATION	04 29 65	4.6E2	ND	2.0E2	10	14
WARM SPRINGS NEV CLARKS STATION	05 05 65	3.1E2	ND	1.5E2	NO	CHEM
WARM SPRINGS NEV CLARKS STATION	05 06 65	4.4E2	ND	1.3E2	NO	CHEM
WARM SPRINGS NEV CLARKS STATION	05 07 65	2.9E2	ND	1.3E2	15	17
WARM SPRINGS NEV CLARKS STATION	05 09 65	9.0E1	ND	1.5E2	15	17
WARM SPRINGS NEV CLARKS STATION	05 10 65	1.1E2	ND	1.4E2	15	17
WARM SPRINGS NEV CLARKS STATION	05 11 65	7.0E1	ND	1.3E2	15	17
WARM SPRINGS NEV CLARKS STATION	05 12 65	ND	ND	1.4E2	B	21
WARM SPRINGS NEV CLARKS STATION	05 13 65	5.0E1	ND	1.0E2	B	21

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
WARM SPRINGS NEV CLARKS STATION	05 14 65	ND	ND	1.0E2	B	24
WARM SPRINGS NEV CLARKS STATION	05 15 65	ND	ND	1.1E2	B	24
WARM SPRINGS NEV CLARKS STATION	05 17 65	ND	ND	1.3E2	B	24
WARM SPRINGS NEV CLARKS STATION	05 18 65	ND	ND	1.1E2	B	24
WARM SPRINGS NEV CLARKS STATION	05 19 65	6.0E1	ND	1.1E2	B	24
WARM SPRINGS NEV CLARKS STATION	05 21 65	1.0E2	ND	1.2E2	5	18
WARM SPRINGS NEV CLARKS STATION	05 23 65	9.0E1	ND	9.5E1	5	18
WARM SPRINGS NEV CLARKS STATION	05 25 65	3.0E1	ND	1.4E2	5	18
WARM SPRINGS NEV FALLINIS RANCH	04 16 65	ND	5.0E1	8.5E1	B	10
WARM SPRINGS NEV FALLINIS RANCH	04 17 65	1.3E2	1.3E2	1.8E1	NO	CHEM
WARM SPRGS NEV STONE CABIN RAN	04 17 65	1.8E3	2.6E3	2.4E2	B	14
WARM SPRGS NEV STONE CABIN RAN	04 17 65	1.7E3	2.5E3	2.5E2	B	15
WARM SPRGS NEV STONE CABIN RAN	04 18 65	SMPLE	LOST			
WARM SPRGS NEV STONE CABIN RAN	04 18 65	6.7E2	2.6E2	2.2E2	10	14
WARM SPRGS NEV STONE CABIN RAN	04 19 65	6.4E2	2.8E2	2.3E2	10	14
WARM SPRGS NEV STONE CABIN RAN	04 19 65	8.3E2	2.8E2	2.9E2	10	14
WARM SPRGS NEV STONE CABIN RAN	04 20 65	1.4E3	2.3E2	2.8E2	10	12
WARM SPRGS NEV STONE CABIN RAN	04 20 65	1.3E3	2.7E2	3.2E2	B	17
WARM SPRGS NEV STONE CABIN RAN	04 21 65	1.3E3	1.4E2	2.8E2	B	20
WARM SPRGS NEV STONE CABIN RAN	04 22 65	1.8E3	2.8E2	3.0E2	30	15
WARM SPRGS NEV STONE CABIN RAN	04 22 65	1.5E3	2.3E2	3.6E2	30	15
WARM SPRGS NEV STONE CABIN RAN	04 23 65	1.1E3	ND	3.5E2	B	25
WARM SPRGS NEV STONE CABIN RAN	04 23 65	1.1E3	ND	3.6E2	B	25
WARM SPRGS NEV STONE CABIN RAN	04 24 65	9.6E2	ND	2.8E2	20	14
WARM SPRGS NEV STONE CABIN RAN	04 24 65	7.6E2	ND	2.0E2	20	14
WARM SPRGS NEV STONE CABIN RAN	04 25 65	3.4E2	ND	2.4E2	20	34
WARM SPRGS NEV STONE CABIN RAN	04 25 65	4.0E2	ND	1.7E2	20	34
WARM SPRGS NEV STONE CABIN RAN	04 26 65	3.6E2	ND	1.8E2	B	16

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
WARM SPRGS NEV STONE CABIN RAN	04 27 65	3.7E2	ND	1.9E2	B	16
WARM SPRGS NEV STONE CABIN RAN	04 27 65	2.5E2	ND	1.8E2	B	16
WARM SPRGS NEV STONE CABIN RAN	04 28 65	2.0E2	ND	1.8E2	B	18
WARM SPRGS NEV STONE CABIN RAN	04 28 65	1.9E2	ND	1.9E2	B	18
WARM SPRGS NEV STONE CABIN RAN	04 29 65	1.9E2	ND	1.6E2	10	18
WARM SPRGS NEV STONE CABIN RAN	04 30 65	2.0E2	ND	1.5E2 NO		CHEM
WARM SPRGS NEV STONE CABIN RAN	05 01 65	2.3E2	ND	1.4E2	10	18
WARM SPRGS NEV STONE CABIN RAN	05 02 65	1.6E2	ND	1.7E2	10	21
WARM SPRGS NEV STONE CABIN RAN	05 04 65	1.4E2	ND	1.3E2	B	17
WARM SPRGS NEV STONE CABIN RAN	05 05 65	7.0E1	ND	1.5E2	B	17
WARM SPRGS NEV STONE CABIN RAN	05 06 65	4.0E1	ND	1.7E2	B	17
WARM SPRGS NEV STONE CABIN RAN	05 07 65	4.0E1	ND	1.7E2	B	17
WARM SPRGS NEV STONE CABIN RAN	05 08 65	6.0E1	ND	1.8E2	B	17
WARM SPRGS NEV STONE CABIN RAN	05 09 65	4.0E1	ND	1.7E2 NO		CHEM
WARM SPRGS NEV STONE CABIN RAN	05 10 65	ND	ND	1.4E2 NO		CHEM
WARM SPRGS NEV STONE CABIN RAN	05 12 65	2.8E2	ND	1.7E2 NO		CHEM
WARM SPRGS NEV STONE CABIN RAN	05 13 65	6.0E1	ND	2.0E2	B	12
WARM SPRGS NEV STONE CABIN RAN	05 14 65	6.0E1	ND	4.0E1	B	12
WARM SPRGS NEV STONE CABIN RAN	05 15 65	ND	ND	1.1E2	B	14
WARM SPRGS NEV STONE CABIN RAN	05 17 65	ND	ND	1.6E2	B	14
WINNEMUCCA NEV AITKEN RANCH	04 27 65	ND	ND	1.5E2	15	10
WINNEMUCCA NEV AITKEN RANCH	04 28 65	ND	ND	4.0E1 NO		CHEM
WINNEMUCCA NEV AITKEN RANCH	04 29 65	ND	ND	5.5E1 NO		CHEM
WINNEMUCCA NEV AITKEN RANCH	04 30 65	9.0E1	ND	6.5E1 NO		CHEM
WINNEMUCCA NEV AITKEN RANCH	05 01 65	ND	ND	8.0E1 NO		CHEM
WINNEMUCCA NEV AMOS BROS RANCH	04 21 65	5.9E2	ND	1.1E2	5	2
WINNEMUCCA NEV AMOS BROS RANCH	04 22 65	2.4E2	ND	8.5E1 NO		CHEM
WINNEMUCCA NEV AMOS BROS RANCH	04 23 65	1.9E2	ND	9.5E1	15	35
				8.5E1	15	35

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
WINNEMUCCA NEV AMOS BROS RANCH	04 24 65	2.8E2	ND	8.0E1	B	44
WINNEMUCCA NEV AMOS BROS RANCH	04 25 65	1.8E2	ND	1.0E2	B	44
WINNEMUCCA NEV AMOS BROS RANCH	04 26 65	1.3E2	ND	9.5E1	B	27
WINNEMUCCA NEV AMOS BROS RANCH	04 27 65	1.2E2	ND	1.0E2	15	54
WINNEMUCCA NEV AMOS BROS RANCH	04 28 65	8.0E1	ND	1.3E2	15	54
WINNEMUCCA NEV AMOS BROS RANCH	04 29 65	1.7E2	ND	1.9E2	B	23
WINNEMUCCA NEV AMOS BROS RANCH	04 30 65	5.0E1	ND	9.0E1 NO		CHEM
WINNEMUCCA NEV AMOS BROS RANCH	05 01 65	4.0E1	ND	1.1E2	B	32
WINNEMUCCA NEV AMOS BROS RANCH	05 02 65	5.0E1	ND	9.0E1	B	11
WINNEMUCCA NEV AMOS BROS RANCH	05 03 65	7.0E1	ND	6.5E1	B	11
WINNEMUCCA NEV AMOS BROS RANCH	05 04 65	8.0E1	ND	1.0E2	B	11
WINNEMUCCA NEV AMOS BROS RANCH	05 26 65	ND	ND	8.5E1	25	30
WINNEMUCCA NEV C DONALDSON RAN	04 19 65	1.0E2	ND	8.0E1	B	12
WINNEMUCCA NEV C DONALDSON RAN	04 21 65	4.0E1	ND	6.5E1 NO		CHEM
WINNEMUCCA NEV C DONALDSON RAN	04 22 65	ND	ND	5.0E1 NO		CHEM
WINNEMUCCA NEV C DONALDSON RAN	04 23 65	3.0E1	ND	4.5E1 NO		CHEM
WINNEMUCCA NEV C DONALDSON RAN	04 24 65	ND	ND	4.0E1 NO		CHEM
WINNEMUCCA NEV ELLISON HOME RAN	04 20 65	ND	ND	4.5E1	B	15
WINNEMUCCA NEV ELLISON HOME RAN	04 21 65	ND	ND	1.1E2 NO		CHEM
WINNEMUCCA NEV ELLISON HOME RAN	04 21 65	ND	ND	1.1E2 NO		CHEM
WINNEMUCCA NEV ELLISON HOME RAN	04 22 65	ND	ND	8.5E1 NO		CHEM
WINNEMUCCA NEV ELLISON HOME RAN	04 22 65	ND	ND	5.5E1	B	10
WINNEMUCCA NEV ELLISON HOME RAN	04 23 65	ND	ND	9.5E1 NO		CHEM
WINNEMUCCA NEV ELLISON HOME RAN	04 23 65	ND	ND	8.0E1	B	10
WINNEMUCCA NEV ELLISON HOME RAN	04 24 65	ND	ND	6.5E1 NO		CHEM
WINNEMUCCA NEV LYLE FREY RANCH	04 20 65	ND	ND	1.1E2 NO		CHEM
WINNEMUCCA NEV LYLE FREY RANCH	04 20 65	ND	ND	9.5E1 NO		CHEM
WINNEMUCCA NEV LYLE FREY RANCH	04 21 65	3.0E1	ND	1.1E2 NO		CHEM

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
WINNEMUCCA NEV LYLE FREY RANCH	04 21 65	6.0E1	ND	1.8E2	B	6
WINNEMUCCA NEV LYLE FREY RANCH	04 22 65	ND	ND	7.5E1 NO		CHEM
WINNEMUCCA NEV LYLE FREY RANCH	04 22 65	3.0E1	ND	7.0E1 NO		CHEM
WINNEMUCCA NEV LYLE FREY RANCH	04 23 65	7.1E1	ND	1.3E2	B	6
WINNEMUCCA NEV FLAT CREEK RANCH	04 20 65	6.4E2	1.6E2	1.6E2	B	48
WINNEMUCCA NEV FLAT CREEK RANCH	04 21 65	2.4E2	ND	1.8E2	B	50
WINNEMUCCA NEV FLAT CREEK RANCH	04 22 65	3.4E2	ND	1.9E2	B	50
WINNEMUCCA NEV FLAT CREEK RANCH	04 23 65	2.7E2	ND	1.6E2	10	43
WINNEMUCCA NEV FLAT CREEK RANCH	04 24 65	1.9E2	ND	1.3E2 NO		CHEM
WINNEMUCCA NEV FLAT CREEK RANCH	04 25 65	1.8E2	ND	1.6E2 NO		CHEM
WINNEMUCCA NEV FLAT CREEK RANCH	04 26 65	1.5E2	ND	2.1E2 NO		CHEM
WINNEMUCCA NEV FLAT CREEK RANCH	04 27 65	ND	ND	6.0E1	25	38
WINNEMUCCA NEV FLAT CREEK RANCH	04 28 65	ND	ND	1.6E2 NO		CHEM
WINNEMUCCA NEV FLAT CREEK RANCH	04 29 65	1.3E2	ND	1.3E2	B	44
WINNEMUCCA NEV FLAT CREEK RANCH	04 30 65	ND	ND	7.0E1	B	44
WINNEMUCCA NEV HAPPY CREEK RAN	04 20 65	ND	ND	1.5E1 NO		CHEM
WINNEMUCCA NEV HAPPY CREEK RAN	04 21 65	5.0E1	ND	2.0E1 NO		CHEM
WINNEMUCCA NEV HAPPY CREEK RAN	04 22 65	ND	ND	3.0E1	B	2
WINNEMUCCA NEV HAPPY CREEK RAN	04 23 65	ND	ND	2.5E1	B	2
WINNEMUCCA NEV HAPPY CREEK RAN	04 24 65	ND	ND	4.5E1 NO		CHEM
WINNEMUCCA NEV GEORGE HILL RAN	04 20 65	4.0E1	ND	9.5E1 NO		CHEM
WINNEMUCCA NEV GEORGE HILL RAN	04 21 65	7.0E1	ND	1.0E2 NO		CHEM
WINNEMUCCA NEV GEORGE HILL RAN	04 22 65	3.0E1	ND	5.5E1 NO		CHEM
WINNEMUCCA NEV GEORGE HILL RAN	04 23 65	ND	ND	8.5E1	B	7
WINNEMUCCA NEV GEORGE HILL RAN	04 24 65	3.3E2	ND	1.8E2 NO		CHEM
WINNEMUCCA NEV GEORGE HILL RAN	04 25 65	1.1E2	ND	1.5E2 NO		CHEM
WINNEMUCCA NEV GEORGE HILL RAN	04 26 65	ND	ND	1.0E2 NO		CHEM
WINNEMUCCA NEV GEORGE HILL RAN	04 27 65	ND	ND	1.1E2 NO		CHEM

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
WINNEMUCCA NEV GEORGE HILL RAN	04 28 65	ND	ND	1.3E2	NO	CHEM
WINNEMUCCA NEV GEORGE HILL RAN	04 29 65	ND	ND	8.5E1	B	9
WINNEMUCCA NEV GEORGE HILL RAN	04 30 65	1.1E2	ND	1.6E2	B	9
WINNEMUCCA NEV KINGS RIVER RAN	04 20 65	ND	ND	6.0E1	NO	CHEM
WINNEMUCCA NEV KINGS RIVER RAN	04 21 65	ND	ND	6.5E1	NO	CHEM
WINNEMUCCA NEV KINGS RIVER RAN	04 21 65	ND	ND	8.5E1	NO	CHEM
WINNEMUCCA NEV KINGS RIVER RAN	04 21 65	ND	ND	1.7E2	NO	CHEM
WINNEMUCCA NEV KINGS RIVER RAN	04 22 65	ND	ND	5.5E1	NO	CHEM
WINNEMUCCA NEV KINGS RIVER RAN	04 22 65	ND	ND	2.1E2	NO	CHEM
WINNEMUCCA NEV KINGS RIVER RAN	04 22 65	ND	ND	5.0E1	B	13
WINNEMUCCA NEV KINGS RIVER RAN	04 23 65	ND	ND	5.5E1	NO	CHEM
WINNEMUCCA NEV KINGS RIVER RAN	04 23 65	ND	ND	6.5E1	B	13
WINNEMUCCA NEV KINGS RIVER RAN	04 24 65	ND	ND	4.5E1	NO	CHEM
WINNEMUCCA NEV MARCUERQUEAGA	04 27 65	ND	ND	4.5E1	NO	CHEM
WINNEMUCCA NEV MARCUERQUEAGA	04 28 65	ND	ND	3.5E1	NO	CHEM
WINNEMUCCA NEV MARCUERQUEAGA	04 29 65	4.0E1	ND	4.5E1	B	9
WINNEMUCCA NEV MARCUERQUEAGA	04 30 65	ND	ND	7.5E1	B	9
WINNEMUCCA NEV MARCUERQUEAGA	05 01 65	ND	ND	3.0E1	B	9
WINNEMUCCA NEV NINE MILE RANCH	04 20 65	4.5E2	6.0E1	2.2E2	NO	CHEM
WINNEMUCCA NEV NINE MILE RANCH	04 21 65	3.0E1	ND	4.0E1	NO	CHEM
WINNEMUCCA NEV NINE MILE RANCH	04 22 65	3.0E1	ND	4.0E1	NO	CHEM
WINNEMUCCA NEV NINE MILE RANCH	04 23 65	ND	ND	6.0E1	NO	CHEM
WINNEMUCCA NEV NINE MILE RANCH	04 24 65	ND	ND	4.0E1	NO	CHEM
WINNEMUCCA NEV QUINN RIVER RAN	04 19 65	ND	ND	7.5E1	NO	CHEM
WINNEMUCCA NEV QUINN RIVER RAN	04 20 65	ND	ND	2.5E1	NO	CHEM
WINNEMUCCA NEV QUINN RIVER RAN	04 21 65	ND	ND	3.0E1	B	14
WINNEMUCCA NEV QUINN RIVER RAN	04 23 65	ND	ND	1.5E1	B	14
WINNEMUCCA NEV QUINN RIVER RAN	04 24 65	ND	ND	4.0E1	B	7

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
WINNEMUCCA NEV REBEL CREEK RAN	04 20 65	ND	ND	4.0E1	B	19
WINNEMUCCA NEV REBEL CREEK RAN	04 21 65	ND	ND	3.5E1	NO	CHEM
WINNEMUCCA NEV REBEL CREEK RAN	04 22 65	ND	ND	3.0E1	NO	CHEM
WINNEMUCCA NEV REBEL CREEK RAN	04 23 65	ND	ND	4.5E1	B	15
WINNEMUCCA NEV REBEL CREEK RAN	04 24 65	ND	ND	4.5E1	B	6
WINNEMUCCA NEV 3-V DAIRY	04 17 65	ND	ND	8.0E1	B	11
WINNEMUCCA NEV 3-V DAIRY	04 17 65	6.0E1	ND	1.7E2	B	27
WINNEMUCCA NEV 3-V DAIRY	04 18 65	2.0E1	ND	5.5E1	B	14
WINNEMUCCA NEV 3-V DAIRY	04 18 65	ND	ND	7.0E1	B	11
WINNEMUCCA NEV 3-V DAIRY	04 19 65	5.0E1	ND	6.5E1	B	11
WINNEMUCCA NEV 3-V DAIRY	04 19 65	ND	ND	4.5E1	NO	CHEM
WINNEMUCCA NEV 3-V DAIRY	04 20 65	ND	ND	7.0E1	B	11
WINNEMUCCA NEV 3-V DAIRY	04 20 65	ND	ND	6.5E1	NO	CHEM
WINNEMUCCA NEV 3-V DAIRY	04 21 65	ND	ND	3.0E1	NO	CHEM
WINNEMUCCA NEV 3-V DAIRY	04 21 65	ND	ND	4.0E1	NO	CHEM
WINNEMUCCA NEV 3-V DAIRY	04 22 65	ND	ND	7.5E1	NO	CHEM
WINNEMUCCA NEV 3-V DAIRY	04 22 65	ND	ND	6.0E1	NO	CHEM
WINNEMUCCA NEV 3-V DAIRY	04 23 65	ND	ND	6.5E1	NO	CHEM
WINNEMUCCA NEV 3-V DAIRY	04 23 65	ND	ND	4.0E1	NO	CHEM
WINNEMUCCA NEV 3-V DAIRY	04 24 65	ND	ND	5.5E1	NO	CHEM
BLACKFOOT IDAHO CAMMACK DAIRY	04 17 65	ND	ND	9.0E1	B	30
BLACKFOOT IDAHO CAMMACK DAIRY	04 17 65	ND	ND	1.0E2	B	16
BLACKFOOT IDAHO CAMMACK DAIRY	04 18 65	ND	ND	1.0E2	NO	CHEM
BLACKFOOT IDAHO CAMMACK DAIRY	04 19 65	ND	ND	1.2E2	NO	CHEM
BLACKFOOT IDAHO CAMMACK DAIRY	04 20 65	ND	ND	1.5E2	NO	CHEM
BLACKFOOT IDAHO CAMMACK DAIRY	04 21 65	ND	ND	9.0E1	NO	CHEM
BLACKFOOT IDAHO CAMMACK DAIRY	04 22 65	ND	ND	1.2E2	B	18
BLACKFOOT IDAHO CAMMACK DAIRY	04 27 65	ND	ND	8.5E1	NO	CHEM

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
BLACKFOOT IDAHO CAMMACK DAIRY	04 28 65	ND	ND	1.1E2	NO	CHEM
BLACKFOOT IDAHO CAMMACK DAIRY	04 29 65	ND	ND	4.5E1	NO	CHEM
BLACKFOOT IDAHO CAMMACK DAIRY	04 30 65	ND	ND	1.3E2	NO	CHEM
BLACKFOOT IDAHO CAMMACK DAIRY	05 01 65	ND	ND	9.5E1	B	18
BLACKFOOT IDAHO CAMMACK DAIRY	05 02 65	ND	ND	1.6E2	B	25
BLACKFOOT IDAHO CAMMACK DAIRY	05 03 65	ND	ND	1.4E2	B	23
BOISE IDAHO IDAHO CREAMERIES	04 16 65	ND	ND	8.5E1	B	26
BOISE IDAHO IDAHO CREAMERIES	04 18 65	ND	ND	7.5E1	B	19
BOISE IDAHO IDAHO CREAMERIES	04 19 65	ND	ND	1.0E2	B	19
BOISE IDAHO IDAHO CREAMERIES	04 20 65	ND	ND	8.5E1	B	19
BOISE IDAHO IDAHO CREAMERIES	04 21 65	ND	ND	7.5E1	B	21
BOISE IDAHO IDAHO CREAMERIES	04 22 65	ND	ND	7.5E1	B	21
BOISE IDAHO IDAHO CREAMERIES	04 25 65	ND	ND	7.5E1	NO	CHEM
BOISE IDAHO IDAHO CREAMERIES	04 26 65	ND	ND	8.0E1	NO	CHEM
BOISE IDAHO IDAHO CREAMERIES	04 27 35	ND	ND	8.0E1	NO	CHEM
BOISE IDAHO IDAHO CREAMERIES	04 28 65	ND	ND	7.5E1	B	28
BOISE IDAHO IDAHO CREAMERIES	04 29 65	ND	ND	1.2E2	B	31
BUHL IDAHO SMITHS DAIRY PRODUCT	04 15 65	ND	ND	1.1E2	B	24
BUHL IDAHO SMITHS DAIRY PRODUCT	04 16 65	3.0E1	3.0E1	1.6E2	B	31
BUHL IDAHO SMITHS DAIRY PRODUCT	04 19 65	ND	ND	1.1E2	B	25
BUHL IDAHO SMITHS DAIRY PRODUCT	04 20 65	ND	ND	4.5E1	B	20
BUHL IDAHO SMITHS DAIRY PRODUCT	04 21 65	ND	ND	1.1E2	B	20
BUHL IDAHO SMITHS DAIRY PRODUCT	04 21 65	ND	ND	7.5E1	NO	CHEM
BUHL IDAHO SMITHS DAIRY PRODUCT	04 22 65	ND	ND	3.5E1	B	27
BUHL IDAHO SMITHS DAIRY PRODUCT	04 24 65	ND	ND	8.5E1	NO	CHEM
BUHL IDAHO SMITHS DAIRY PRODUCT	04 26 65	ND	ND	1.1E2	NO	CHEM
BUHL IDAHO SMITHS DAIRY PRODUCT	04 27 65	ND	ND	1.0E2	NO	CHEM
BUHL IDAHO SMITHS DAIRY PRODUCT	04 28 65	ND	ND	1.4E2	NO	CHEM

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
BUHL IDAHO SMITHS DAIRY PRODUCT	04 29 65	ND	ND	1.1E2	NO	CHEM
BURLEY IDAHO WYMORE DAIRY	04 15 65	ND	ND	3.5E1	B	15
BURLEY IDAHO WYMORE DAIRY	04 16 65	ND	ND	6.0E1	B	10
BURLEY IDAHO WYMORE DAIRY	04 17 65	ND	ND	5.5E1	B	15
BURLEY IDAHO WYMORE DAIRY	04 18 65	ND	ND	1.7E2	NO	CHEM
BURLEY IDAHO WYMORE DAIRY	04 19 65	ND	ND	6.5E1	NO	CHEM
BURLEY IDAHO WYMORE DAIRY	04 20 65	ND	ND	3.5E1	B	14
BURLEY IDAHO WYMORE DAIRY	04 21 65	ND	ND	7.5E1	B	15
BURLEY IDAHO WYMORE DAIRY	04 23 65	ND	ND	7.0E1	B	15
BURLEY IDAHO WYMORE DAIRY	04 24 65	ND	ND	5.5E1	NO	CHEM
BURLEY IDAHO WYMORE DAIRY	04 24 65	ND	ND	9.0E1	NO	CHEM
BURLEY IDAHO WYMORE DAIRY	04 26 65	ND	ND	5.0E1	NO	CHEM
BURLEY IDAHO WYMORE DAIRY	04 27 65	ND	ND	3.0E1	NO	CHEM
BURLEY IDAHO WYMORE DAIRY	04 28 65	ND	ND	7.5E1	NO	CHEM
BURLEY IDAHO WYMORE DAIRY	04 29 65	ND	ND	1.2E2	NO	CHEM
BURLEY IDAHO WYMORE DAIRY	04 30 65	ND	ND	8.5E1	B	24
COEUR D ALENE IDAHO CREAMERY	04 14 65	ND	ND	1.4E2	NO	CHEM
COEUR D ALENE IDAHO CREAMERY	04 15 65	ND	ND	5.0E1	B	29
COEUR D ALENE IDAHO CREAMERY	04 17 65	ND	ND	7.5E1	B	21
COEUR D ALENE IDAHO CREAMERY	04 17 65	ND	ND	1.3E2	NO	CHEM
COEUR D ALENE IDAHO CREAMERY	04 18 65	ND	ND	1.1E2	B	21
COEUR D ALENE IDAHO CREAMERY	04 19 65	ND	ND	1.2E2	B	26
COEUR D ALENE IDAHO CREAMERY	04 20 65	ND	ND	1.3E2	B	26
COEUR D ALENE IDAHO CREAMERY	04 21 65	ND	ND	1.1E2	B	21
COEUR D ALENE IDAHO CREAMERY	04 22 65	ND	ND	1.3E2	NO	CHEM
COEUR D ALENE IDAHO CREAMERY	04 26 65	ND	ND	1.5E2	NO	CHEM
COEUR D ALENE IDAHO CREAMERY	04 27 65	ND	ND	1.2E2	NO	CHEM
COEUR D ALENE IDAHO CREAMERY	04 29 65	ND	ND	1.3E2	NO	CHEM

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
COEUR D ALENE IDAHO CREAMERY	04 29 65	ND	ND	1.7E2	B	30
COEUR D ALENE IDAHO CREAMERY	04 30 65	ND	ND	9.5E1	NO	CHEM
COEUR D ALENE IDAHO CREAMERY	05 01 65	ND	ND	1.4E2	NO	CHEM
COEUR D ALENE IDAHO CREAMERY	05 01 65	ND	ND	1.6E2	B	30
GRANGEVILLE IDAHO CREAMERY	04 16 65	3.0E1	ND	1.6E2	B	31
GRANGEVILLE IDAHO CREAMERY	04 17 65	1.9E2	5.5E2	1.7E2	B	48
GRANGEVILLE IDAHO CREAMERY	04 18 65	1.4E2	ND	1.7E2	B	49
GRANGEVILLE IDAHO CREAMERY	04 19 65	ND	ND	1.2E2	NO	CHEM
GRANGEVILLE IDAHO CREAMERY	04 20 65	2.8E2	ND	2.0E2	B	49
GRANGEVILLE IDAHO CREAMERY	04 21 65	8.0E1	ND	1.3E2	B	36
GRANGEVILLE IDAHO CREAMERY	04 22 65	1.8E2	ND	1.6E2	B	36
GRANGEVILLE IDAHO JIM JESSUP	04 23 65	ND	ND	2.6E2	NO	CHEM
GRANGEVILLE IDAHO E V MATTOON	04 23 65	ND	ND	2.0E2	NO	CHEM
GRANGEVILLE IDAHO E V MATTOON	04 24 65	ND	ND	1.1E2	NO	CHEM
GRANGEVILLE IDAHO E V MATTOON	04 25 65	ND	ND	1.2E2	NO	CHEM
GRANGEVILLE IDAHO E V MATTOON	04 26 65	ND	ND	1.5E2	NO	CHEM
GRANGEVILLE IDAHO E V MATTOON	04 27 65	ND	ND	1.1E2	NO	CHEM
GRANGEVILLE IDAHO E V MATTOON	04 28 65	ND	ND	1.4E2	B	31
GRANGEVILLE IDAHO E V MATTOON	04 29 65	ND	ND	1.5E2	B	39
GRANGEVILLE IDAHO E V MATTOON	04 30 65	ND	ND	1.6E2	NO	CHEM
GRANGEVILLE IDAHO E V MATTOON	05 03 65	ND	ND	1.3E2	B	25
GRANGEVILLE IDAHO E V MATTOON	05 04 65	ND	ND	1.8E2	B	31
GRANGEVILLE IDAHO A SCHUMACHER	04 23 65	9.0E1	ND	2.0E2	NO	CHEM
GRANGEVILLE IDAHO A SCHUMACHER	05 07 65	ND	ND	6.0E1	B	51
GRANGEVILLE IDAHO AL SERI	04 23 65	ND	ND	1.3E2	NO	CHEM
GRANGEVILLE IDAHO AL SERI	04 23 65	ND	ND	1.8E2	NO	CHEM
GRANGEVILLE IDAHO AL SERI	04 24 65	ND	ND	2.4E2	NO	CHEM
GRANGEVILLE IDAHO AL SERI	04 26 65	ND	ND	1.7E2	NO	CHEM

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
GRANGEVILLE IDAHO AL SERI	04 27 65	ND	ND	1.8E2	NO	CHEM
GRANGEVILLE IDAHO AL SERI	04 28 65	ND	ND	1.8E2	NO	CHEM
GRANGEVILLE IDAHO AL SERI	04 29 65	ND	ND	2.3E2	B	39
GRANGEVILLE IDAHO AL SERI	04 30 65	4.0E1	ND	2.2E2	35	35
GRANGEVILLE IDAHO AL SERI	05 02 65	ND	ND	2.3E2	B	22
GRANGEVILLE IDAHO AL SERI	05 03 65	ND	ND	1.6E2	NO	CHEM
GRANGEVILLE IDAHO AL SERI	05 04 65	ND	ND	1.9E2	B	54
GRANGEVILLE IDAHO AL SERI	05 05 65	ND	ND	2.4E2	B	55
GRANGEVILLE IDAHO TOM SEUBERT	04 23 65	ND	ND	1.5E2	B	49
GRANGEVILLE IDAHO L STUBBERS	04 24 65	1.7E2	ND	2.3E2	NO	CHEM
GRANGEVILLE IDAHO L STUBBERS	04 26 65	ND	ND	2.8E2	NO	CHEM
GRANGEVILLE IDAHO L STUBBERS	04 28 65	1.0E2	ND	2.2E2	NO	CHEM
GRANGEVILLE IDAHO L STUBBERS	04 30 65	6.0E1	ND	2.7E2	NO	CHEM
GRANGEVILLE IDAHO L STUBBERS	05 02 65	8.0E1	ND	2.3E2	5	52
GRANGEVILLE IDAHO L STUBBERS	05 04 65	ND	ND	1.8E2	10	45
GRANGEVILLE IDAHO L STUBBERS	05 07 65	ND	ND	1.6E2	B	65
GRANGEVILLE IDAHO L STUBBERS	05 08 65	ND	ND	1.3E2	B	65
GRANGEVILLE IDAHO L STUBBERS	05 09 65	ND	ND	1.4E2	B	65
GRANGEVILLE IDAHO RAY TERHAAR	04 23 65	3.0E2	ND	2.4E2	40	66
GRANGEVILLE IDAHO RAY TERHAAR	04 24 65	5.3E2	ND	1.8E2	25	69
GRANGEVILLE IDAHO RAY TERHAAR	04 25 65	3.4E2	ND	1.8E2	25	69
GRANGEVILLE IDAHO RAY TERHAAR	04 26 65	2.8E2	ND	2.1E2	25	69
GRANGEVILLE IDAHO RAY TERHAAR	04 28 65	2.0E2	ND	1.7E2	NO	CHEM
GRANGEVILLE IDAHO RAY TERHAAR	04 30 65	2.1E2	ND	1.8E2	NO	CHEM
GRANGEVILLE IDAHO RAY TERHAAR	05 02 65	1.4E2	ND	1.7E2	20	73
GRANGEVILLE IDAHO RAY TERHAAR	05 04 65	8.0E1	ND	2.0E2	85	74
GRANGEVILLE IDAHO RAY TERHAAR	05 06 65	8.0E1	ND	1.8E2	35	77
GRANGEVILLE IDAHO RAY TERHAAR	05 07 65	6.0E1	ND	2.0E2	10	70

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
GRANGEVILLE IDAHO RAY TERHAAR	05 08 65	7.0E1	ND	1.8E2	10	70
GRANGEVILLE IDAHO RAY TERHAAR	05 09 65	8.0E1	ND	1.9E2	10	70
IDAHO FALLS IDA WALLACE DAIRY	04 17 65	ND	ND	7.5E1 NO		CHEM
IDAHO FALLS IDA WALLACE DAIRY	04 18 65	ND	ND	1.0E2 NO		CHEM
IDAHO FALLS IDA WALLACE DAIRY	04 20 65	ND	ND	1.1E2 NO		CHEM
IDAHO FALLS IDA WALLACE DAIRY	04 21 65	ND	ND	7.5E1	B	6
IDAHO FALLS IDA WALLACE DAIRY	04 21 65	ND	ND	9.0E1 NO		CHEM
IDAHO FALLS IDA WALLACE DAIRY	04 22 65	ND	ND	6.5E1	B	6
IDAHO FALLS IDA WALLACE DAIRY	04 25 65	ND	ND	7.5E1 NO		CHEM
IDAHO FALLS IDA WALLACE DAIRY	04 25 65	ND	ND	1.3E2 NO		CHEM
IDAHO FALLS IDA WALLACE DAIRY	04 26 65	ND	ND	8.0E1 NO		CHEM
IDAHO FALLS IDA WALLACE DAIRY	04 28 65	ND	ND	5.0E1 NO		CHEM
IDAHO FALLS IDA WALLACE DAIRY	04 29 65	ND	ND	7.5E1 NO		CHEM
JEROME IDA IDA GEM DAIRYMEN INC	04 16 65	ND	ND	6.0E1	B	18
JEROME IDA IDA GEM DAIRYMEN INC	04 17 65	ND	ND	3.0E1	B	14
JEROME IDA IDA GEM DAIRYMEN INC	04 18 65	ND	ND	5.0E1	B	14
JEROME IDA IDA GEM DAIRYMEN INC	04 19 65	ND	ND	4.5E1 NO		CHEM
JEROME IDA IDA GEM DAIRYMEN INC	04 20 65	ND	ND	5.5E1	B	16
JEROME IDA IDA GEM DAIRYMEN INC	04 21 65	ND	ND	7.0E1	B	16
JEROME IDA IDA GEM DAIRYMEN INC	04 22 65	ND	ND	7.0E1	10	17
JEROME IDA IDA GEM DAIRYMEN INC	04 23 65	ND	ND	5.5E1	10	17
JEROME IDA IDA GEM DAIRYMEN INC	04 24 65	ND	ND	3.0E1 NO		CHEM
JEROME IDA IDA GEM DAIRYMEN INC	04 25 65	ND	ND	4.5E1 NO		CHEM
JEROME IDA IDA GEM DAIRYMEN INC	04 26 65	ND	ND	4.0E1 NO		CHEM
JEROME IDA IDA GEM DAIRYMEN INC	04 27 65	ND	ND	5.5E1 NO		CHEM
JEROME IDA IDA GEM DAIRYMEN INC	04 28 65	ND	ND	4.5E1	B	17
JEROME IDA IDA GEM DAIRYMEN INC	04 29 65	ND	ND	7.0E1 NO		CHEM
JEROME IDA IDA GEM DAIRYMEN INC	04 30 65	ND	ND	6.5E1	B	11

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137		SR89	SR90
LEWISTON IDA GOLDEN GRAIN DAIRY	04 16 65	2.0E1	ND	5.0E1		B	18
LEWISTON IDA GOLDEN GRAIN DAIRY	04 17 65	5.0E1	ND	5.0E1		B	18
LEWISTON IDA GOLDEN GRAIN DAIRY	04 18 65	ND	ND	4.5E1		B	18
LEWISTON IDA GOLDEN GRAIN DAIRY	04 19 65	3.0E1	ND	4.5E1		B	16
LEWISTON IDA GOLDEN GRAIN DAIRY	04 20 65	4.0E1	ND	9.0E1		B	18
LEWISTON IDA GOLDEN GRAIN DAIRY	04 21 65	ND	ND	7.0E1		B	19
LEWISTON IDA GOLDEN GRAIN DAIRY	04 22 65	ND	ND	4.5E1		B	19
LEWISTON IDA GOLDEN GRAIN DAIRY	04 23 65	ND	ND	6.0E1	NO		CHEM
LEWISTON IDA GOLDEN GRAIN DAIRY	04 24 65	ND	ND	5.5E1	NO		CHEM
LEWISTON IDA GOLDEN GRAIN DAIRY	04 25 65	ND	ND	7.5E1		B	27
LEWISTON IDA GOLDEN GRAIN DAIRY	04 26 65	ND	ND	1.0E2	NO		CHEM
LEWISTON IDA GOLDEN GRAIN DAIRY	04 27 65	ND	ND	3.0E1	NO		CHEM
LEWISTON IDA GOLDEN GRAIN DAIRY	04 28 65	ND	ND	4.5E1	NO		CHEM
LEWISTON IDA GOLDEN GRAIN DAIRY	04 29 65	ND	ND	5.0E1	NO		CHEM
MT HOME IDA CLOVER HOLLOW DAIRY	04 16 65	ND	ND	2.2E2		B	31
MT HOME IDA CLOVER HOLLOW DAIRY	04 26 65	ND	ND	2.2E2	NO		CHEM
MT HOME IDA CLOVER HOLLOW DAIRY	04 27 65	ND	ND	1.6E2	NO		CHEM
MT HOME IDA CLOVER HOLLOW DAIRY	04 28 65	ND	ND	1.9E2	NO		CHEM
MT HOME IDA CLOVER HOLLOW DAIRY	04 29 65	ND	ND	1.8E2	NO		CHEM
POCATELLO IDAHO WARDS DAIRY	04 17 65	ND	ND	1.0E2		B	19
POCATELLO IDAHO WARDS DAIRY	04 19 65	ND	ND	1.2E2		B	19
POCATELLO IDAHO WARDS DAIRY	04 20 65	ND	ND	1.2E2	NO		CHEM
POCATELLO IDAHO WARDS DAIRY	04 21 65	ND	ND	9.5E1		B	20
POCATELLO IDAHO WARDS DAIRY	04 22 65	ND	ND	1.3E2		B	20
POCATELLO IDAHO WARDS DAIRY	04 23 65	ND	ND	1.3E2		B	19
POCATELLO IDAHO WARDS DAIRY	04 24 65	ND	ND	8.0E1	NO		CHEM
VALPARAISO INDIANA	04 20 65	ND	ND	8.5E1		B	16
BIG TIMBER MONT SWEETGRASS DAIR	04 16 65	ND	ND	1.0E2		B	34

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
BIG TIMBER MONT SWEETGRASS DAIR	04 17 65	ND	ND	7.5E1	B	34
BIG TIMBER MONT SWEETGRASS DAIR	04 18 65	ND	ND	8.0E1	B	34
BIG TIMBER MONT SWEETGRASS DAIR	04 19 65	ND	ND	7.0E1	B	15
BIG TIMBER MONT SWEETGRASS DAIR	04 20 65	ND	ND	1.6E2	B	34
BIG TIMBER MONT SWEETGRASS DAIR	04 21 65	ND	ND	1.2E2	B	34
BIG TIMBER MONT SWEETGRASS DAIR	04 22 65	ND	ND	1.5E2 NO		CHEM
BIG TIMBER MONT SWEETGRASS DAIR	04 23 65	ND	ND	1.1E2 NO		CHEM
BIG TIMBER MONT SWEETGRASS DAIR	04 24 65	ND	ND	1.1E2	B	39
BIG TIMBER MONT SWEETGRASS DAIR	04 25 65	ND	ND	1.1E2	B	39
BIG TIMBER MONT SWEETGRASS DAIR	04 26 65	ND	ND	1.3E2	B	39
BIG TIMBER MONT SWEETGRASS DAIR	04 27 65	ND	ND	8.0E1 NO		CHEM
BIG TIMBER MONT SWEETGRASS DAIR	04 28 65	ND	ND	9.0E1 NO		CHEM
BIG TIMBER MONT SWEETGRASS DAIR	04 29 65	ND	ND	1.2E2 NO		CHEM
BILLINGS MONT BILLINGS DAIRY	04 17 65	ND	ND	5.5E1	20	16
BILLINGS MONT BILLINGS DAIRY	04 18 65	ND	ND	1.0E2 NO		CHEM
BILLINGS MONT BILLINGS DAIRY	04 19 65	ND	ND	6.0E1	B	21
BILLINGS MONT BILLINGS DAIRY	04 20 65	2.0E1	ND	7.5E1	B	21
BILLINGS MONT BILLINGS DAIRY	04 21 65	ND	ND	6.5E1	B	21
BILLINGS MONT BILLINGS DAIRY	04 22 65	ND	ND	1.1E2	B	20
BILLINGS MONT BILLINGS DAIRY	04 23 65	ND	ND	7.0E1	B	20
BILLINGS MONT BILLINGS DAIRY	04 24 65	ND	ND	8.0E1 NO		CHEM
BILLINGS MONT BILLINGS DAIRY	04 25 65	ND	ND	1.0E2 NO		CHEM
BILLINGS MONT BILLINGS DAIRY	04 26 65	ND	ND	9.0E1 NO		CHEM
BILLINGS MONT BILLINGS DAIRY	04 27 65	ND	ND	6.5E1 NO		CHEM
BILLINGS MONT BILLINGS DAIRY	04 28 65	ND	ND	9.5E1	B	18
BILLINGS MONT BILLINGS DAIRY	04 29 65	ND	ND	6.5E1	B	23
BILLINGS MONT BILLINGS DAIRY	04 30 65	ND	ND	1.0E2	B	23
BOZEMAN MONT GALLITAN CREAMERY	04 16 65	ND	ND	1.4E2	B	23

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
BOZEMAN MONT GALLITAN CREAMERY	04 17 65	ND	ND	9.5E1	B	19
BOZEMAN MONT GALLITAN CREAMERY	04 18 65	ND	ND	8.5E1	B	19
BOZEMAN MONT GALLITAN CREAMERY	04 19 65	ND	ND	1.4E2	B	23
BOZEMAN MONT GALLITAN CREAMERY	04 20 65	ND	ND	1.0E2	B	23
BOZEMAN MONT GALLITAN CREAMERY	04 21 65	ND	ND	1.1E2	SMPLE	LOST
BOZEMAN MONT GALLITAN CREAMERY	04 22 65	ND	ND	9.0E1	B	19
BOZEMAN MONT GALLITAN CREAMERY	04 23 65	ND	ND	1.0E2	NO	CHEM
BOZEMAN MONT GALLITAN CREAMERY	04 24 65	ND	ND	1.1E2	NO	CHEM
BOZEMAN MONT GALLITAN CREAMERY	04 25 65	ND	ND	1.5E2	NO	CHEM
BOZEMAN MONT GALLITAN CREAMERY	04 26 65	ND	ND	1.2E2	NO	CHEM
BOZEMAN MONT GALLITAN CREAMERY	04 27 65	ND	ND	1.3E2	NO	CHEM
BOZEMAN MONT GALLITAN CREAMERY	04 28 65	ND	ND	1.1E2	B	27
BOZEMAN MONT GALLITAN CREAMERY	04 29 65	ND	ND	1.5E2	B	27
BUTTE MONT SAFEWAY STORES INC	04 17 65	ND	ND	1.5E2	NO	CHEM
BUTTE MONT SAFEWAY STORES INC	04 18 65	ND	ND	9.5E1	B	21
BUTTE MONT SAFEWAY STORES INC	04 19 65	ND	ND	1.0E2	B	21
BUTTE MONT SAFEWAY STORES INC	04 20 65	ND	ND	9.5E1	B	24
BUTTE MONT SAFEWAY STORES INC	04 21 65	ND	ND	7.0E1	B	20
BUTTE MONT SAFEWAY STORES INC	04 22 65	ND	ND	1.2E2	NO	CHEM
BUTTE MONT SAFEWAY STORES INC	04 23 65	ND	ND	9.0E1	NO	CHEM
BUTTE MONT SAFEWAY STORES INC	04 25 65	ND	ND	7.0E1	B	17
BUTTE MONT SAFEWAY STORES INC	04 26 65	ND	ND	8.0E1	NO	CHEM
BUTTE MONT SAFEWAY STORES INC	04 28 65	ND	ND	7.0E1	NO	CHEM
BUTTE MONT SAFEWAY STORES INC	04 30 65	ND	ND	8.5E1	B	20
BUTTE MONT SAFEWAY STORES INC	05 02 65	ND	ND	8.0E1	NO	CHEM
BUTTE MONT SAFEWAY STORES INC	05 03 65	ND	ND	6.5E1	10	20
BUTTE MONT SAFEWAY STORES INC	05 04 65	ND	ND	9.0E1	B	22
CONRAD MONT QUALITY MILK PLANT	04 18 65	ND	ND	7.0E1	NO	CHEM

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
CONRAD MONT QUALITY MILK PLANT	04 19 65	ND	ND	1.0E2	B	26
CONRAD MONT QUALITY MILK PLANT	04 19 65	ND	ND	8.0E1	B	26
CONRAD MONT QUALITY MILK PLANT	04 20 65	ND	ND	7.5E1	B	23
CONRAD MONT QUALITY MILK PLANT	04 22 65	ND	ND	9.0E1	B	23
CONRAD MONT QUALITY MILK PLANT	04 23 65	ND	ND	7.0E1 NO		CHEM
CONRAD MONT QUALITY MILK PLANT	04 24 65	ND	ND	7.0E1	B	24
CONRAD MONT QUALITY MILK PLANT	04 27 65	ND	ND	5.5E1 NO		CHEM
CONRAD MONT QUALITY MILK PLANT	04 28 65	ND	ND	8.5E1	B	27
CONRAD MONT QUALITY MILK PLANT	04 29 65	ND	ND	9.5E1 NO		CHEM
CONRAD MONT QUALITY MILK PLANT	04 30 65	ND	ND	8.5E1	B	34
CONRAD MONT QUALITY MILK PLANT	05 01 65	ND	ND	9.0E1	B	34
CONRAD MONT QUALITY MILK PLANT	05 02 65	ND	ND	8.5E1	10	27
CONRAD MONT QUALITY MILK PLANT	05 03 65	ND	ND	8.5E1 NO		CHEM
GLENDIVE MONT GATE CITY DAIRY	04 16 65	ND	ND	1.1E2	B	33
GLENDIVE MONT GATE CITY DAIRY	04 17 65	ND	ND	8.0E1	B	33
GLENDIVE MONT GATE CITY DAIRY	04 18 65	ND	ND	6.0E1 NO		CHEM
GLENDIVE MONT GATE CITY DAIRY	04 19 65	6.0E1	ND	6.0E1	B	25
GLENDIVE MONT GATE CITY DAIRY	04 20 65	ND	ND	5.0E1	B	14
GLENDIVE MONT GATE CITY DAIRY	04 20 65	ND	ND	8.0E1 NO		CHEM
GLENDIVE MONT GATE CITY DAIRY	04 22 65	ND	ND	3.0E1	B	24
GLENDIVE MONT GATE CITY DAIRY	04 26 65	ND	ND	5.5E1 NO		CHEM
GLENDIVE MONT GATE CITY DAIRY	04 27 65	ND	ND	9.5E1 NO		CHEM
GLENDIVE MONT GATE CITY DAIRY	04 28 65	ND	ND	8.0E1	B	37
GLENDIVE MONT GATE CITY DAIRY	04 29 65	ND	ND	7.5E1 NO		CHEM
GLENDIVE MONT GATE CITY DAIRY	04 30 65	ND	ND	7.5E1 NO		CHEM
GLENDIVE MONT GATE CITY DAIRY	05 01 65	ND	ND	9.5E1 NO		CHEM
GLENDIVE MONT GATE CITY DAIRY	05 02 65	ND	ND	8.0E1 NO		CHEM
GREAT FALLS MONT AYRSHIRE DAIRY	04 15 65	ND	ND	6.5E1 NO		CHEM

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
GREAT FALLS MONT AYRSHIRE DAIRY	04 19 65	6.0E1	ND	1.0E2	B	18
GREAT FALLS MONT AYRSHIRE DAIRY	04 21 65	ND	ND	8.0E1	B	17
GREAT FALLS MONT AYRSHIRE DAIRY	04 23 65	ND	ND	1.1E2	B	25
GREAT FALLS MONT AYRSHIRE DAIRY	04 24 65	ND	ND	7.5E1	NO	CHEM
GREAT FALLS MONT AYRSHIRE DAIRY	04 25 65	ND	ND	9.0E1	NO	CHEM
GREAT FALLS MONT AYRSHIRE DAIRY	04 26 65	ND	ND	7.0E1	NO	CHEM
GREAT FALLS MONT AYRSHIRE DAIRY	04 27 65	ND	ND	1.3E2	NO	CHEM
GREAT FALLS MONT AYRSHIRE DAIRY	04 28 65	ND	ND	9.0E1	B	22
GREAT FALLS MONT AYRSHIRE DAIRY	04 29 65	ND	ND	1.3E2	B	31
GREAT FALLS MONT AYRSHIRE DAIRY	04 30 65	ND	ND	1.2E2	NO	CHEM
GREAT FALLS MONT AYRSHIRE DAIRY	05 01 65	ND	ND	9.0E1	B	28
GREAT FALLS MONT AYRSHIRE DAIRY	05 02 65	ND	ND	8.0E1	NO	CHEM
HARDIN MONTANA	04 22 65	ND	ND	9.0E1	B	25
HAVRE MONT VITA RICH DAIRY INC	04 17 65	ND	ND	6.5E1	B	18
HAVRE MONT VITA RICH DAIRY INC	04 19 65	ND	ND	3.0E1	B	18
HAVRE MONT VITA RICH DAIRY INC	04 20 65	ND	ND	6.5E1	B	18
HAVRE MONT VITA RICH DAIRY INC	04 21 65	ND	ND	5.5E1	B	10
HAVRE MONT VITA RICH DAIRY INC	04 22 65	ND	ND	4.5E1	NO	CHEM
HAVRE MONT VITA RICH DAIRY INC	04 23 65	ND	ND	1.0E2	B	19
HAVRE MONT VITA RICH DAIRY INC	04 24 65	ND	ND	7.0E1	NO	CHEM
HAVRE MONT VITA RICH DAIRY INC	04 25 65	ND	ND	7.5E1	NO	CHEM
HAVRE MONT VITA RICH DAIRY INC	04 26 65	ND	ND	6.5E1	NO	CHEM
HAVRE MONT VITA RICH DAIRY INC	04 27 65	ND	ND	5.0E1	NO	CHEM
HARVE MONT VITA RICH DAIRY INC	04 28 65	ND	ND	6.0E1	NO	CHEM
HAVRE MONT VITA RICH DAIRY INC	04 29 65	ND	ND	7.5E1	NO	CHEM
HARVE MONT VITA RICH DAIRY INC	04 30 65	ND	ND	1.2E2	B	12
KALISPELL MONT EQUITY SUPPLY CO	04 18 65	ND	ND	1.2E2	NO	CHEM
KALISPELL MONT EQUITY SUPPLY CO	04 19 65	ND	ND	1.0E2	NO	CHEM

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
KALISPELL MONT EQUITY SUPPLY CO	04 20 65	ND	ND	1.2E2	B	29
KALISPELL MONT EQUITY SUPPLY CO	04 21 65	ND	ND	9.0E1	B	29
KALISPELL MONT EQUITY SUPPLY CO	04 22 65	ND	ND	1.1E2	B	25
KALISPELL MONT EQUITY SUPPLY CO	04 23 65	ND	ND	1.2E2 NO		CHEM
KALISPELL MONT EQUITY SUPPLY CO	04 24 65	ND	ND	1.1E2 NO		CHEM
KALISPELL MONT EQUITY SUPPLY CO	04 25 65	ND	ND	8.5E1	B	29
KALISPELL MONT EQUITY SUPPLY CO	04 26 65	ND	ND	1.0E2 NO		CHEM
KALISPELL MONT EQUITY SUPPLY CO	04 27 65	ND	ND	1.0E2 NO		CHEM
KALISPELL MONT EQUITY SUPPLY CO	04 28 65	ND	ND	1.7E2 NO		CHEM
KALISPELL MONT EQUITY SUPPLY CO	04 29 65	ND	ND	1.2E2	B	33
KALISPELL MONT EQUITY SUPPLY CO	04 30 65	ND	ND	1.6E2 NO		CHEM
KALISPELL MONT EQUITY SUPPLY CO	05 01 65	ND	ND	1.3E2 NO		CHEM
LEWISTOWN MONT LEWISTOWN CRMRY	04 16 65	ND	ND	1.5E2	B	36
LEWISTOWN MONT LEWISTOWN CRMRY	04 19 65	5.0E1	ND	1.5E2	B	27
LEWISTOWN MONT LEWISTOWN CRMRY	04 20 65	3.0E1	ND	1.2E2	B	29
LEWISTOWN MONT LEWISTOWN CRMRY	04 23 65	1.3E2	ND	1.1E2	B	30
LEWISTOWN MONT LEWISTOWN CRMRY	04 26 65	1.3E2	ND	1.6E2	15	32
LEWISTOWN MONT LEWISTOWN CRMRY	04 28 65	1.8E2	ND	1.8E2 NO		CHEM
LEWISTOWN MONT LEWISTOWN CRMRY	05 10 65	7.0E1	ND	1.5E2 NO		CHEM
LEWISTOWN MONT LEWISTOWN CRMRY	05 12 65	7.0E1	ND	1.8E2 NO		CHEM
LEWISTOWN MONT LEWISTOWN CRMRY	05 14 65	ND	ND	1.2E2	25	39
MILES CITY MONT SANITARY DAIRY	04 16 65	ND	ND	9.5E1	B	26
MILES CITY MONT SANITARY DAIRY	04 17 65	ND	ND	9.0E1	B	19
MILES CITY MONT SANITARY DAIRY	04 19 65	ND	ND	1.5E2 NO		CHEM
MILES CITY MONT SANITARY DAIRY	04 20 65	ND	ND	8.5E1 NO		CHEM
MILES CITY MONT SANITARY DAIRY	04 21 65	ND	ND	1.0E2	B	28
MILES CITY MONT SANITARY DAIRY	04 22 65	1.2E2	ND	5.5E1	B	23
MILLS CITY MONT SANITARY DAIRY	04 23 65	ND	ND	8.5E1	B	15

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
MILES CITY MONT SANITARY DAIRY	04 24 65	ND	ND	5.5E1	NO	CHEM
MILES CITY MONT SANITARY DAIRY	04 26 65	ND	ND	8.5E1	NO	CHEM
MILES CITY MONT SANITARY DAIRY	04 27 65	ND	ND	7.0E1	NO	CHEM
MILES CITY MONT SANITARY DAIRY	04 28 65	ND	ND	9.5E1	NO	CHEM
MILES CITY MONT SANITARY DAIRY	04 29 65	ND	ND	8.0E1	B	19
MILES CITY MONT SANITARY DAIRY	04 30 65	ND	ND	1.2E2	B	26
MILES CITY MONT SANITARY DAIRY	05 01 65	ND	ND	9.5E1	B	26
MISSOULA MONT COMMUNITY CREAMRY	04 16 65	ND	ND	1.2E2	B	27
MISSOULA MONT COMMUNITY CREAMRY	04 17 65	6.0E1	ND	9.5E2	B	27
MISSOULA MONT COMMUNITY CREAMRY	04 18 65	ND	ND	8.0E1	B	25
MISSOULA MONT COMMUNITY CREAMRY	04 19 65	ND	ND	1.3E2	B	27
MISSOULA MONT COMMUNITY CREAMRY	04 21 65	9.0E1	ND	9.0E1	B	19
MISSOULA MONT COMMUNITY CREAMRY	04 22 65	1.0E2	ND	1.3E2	B	19
MISSOULA MONT COMMUNITY CREAMRY	04 22 65	5.0E1	ND	1.2E2	25	21
MISSOULA MONT COMMUNITY CREAMRY	04 23 65	ND	ND	8.5E1	NO	CHEM
MISSOULA MONT COMMUNITY CREAMRY	04 24 65	ND	ND	9.5E1	NO	CHEM
MISSOULA MONT COMMUNITY CREAMRY	04 25 65	ND	ND	1.2E2	NO	CHEM
MISSOULA MONT COMMUNITY CREAMRY	04 26 65	ND	ND	1.2E2	B	23
MISSOULA MONT COMMUNITY CREAMRY	04 27 65	ND	ND	1.1E2	15	64
MISSOULA MONT COMMUNITY CREAMRY	04 29 65	ND	ND	9.5E1	15	64
MISSOULA MONT COMMUNITY CREAMRY	04 30 65	ND	ND	9.0E1	NO	CHEM
ROUNDUP MONT LINDS DAIRY	04 20 65	ND	ND	9.0E1	B	24
ROUNDUP MONT LINDS DAIRY	04 21 65	2.0E1	ND	8.5E1	B	24
ROUNDUP MONT LINDS DAIRY	04 22 65	ND	ND	8.0E1	NO	CHEM
ROUNDUP MONT LINDS DAIRY	04 23 65	ND	ND	9.5E1	B	19
ROUNDUP MONT LINDS DAIRY	04 24 65	ND	ND	8.5E1	B	28
ROUNDUP MONT LINDS DAIRY	04 26 65	ND	ND	7.5E1	NO	CHEM
ROUNDUP MONT LINDS DAIRY	04 27 65	ND	ND	9.0E1	NO	CHEM

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
ROUNDUP MONT LINDS DAIRY	04 28 65	ND	ND	8.5E1	5	24
ROUNDUP MONT LINDS DAIRY	04 29 65	ND	ND	8.5E1	B	26
ROUNDUP MONT LINDS DAIRY	04 30 65	ND	ND	7.0E1	B	26
ROUNDUP MONT LINDS DAIRY	05 01 65	ND	ND	7.0E1 NO		CHEM
ROUNDUP MONT LINDS DAIRY	05 03 65	ND	ND	5.5E1 NO		CHEM
ROUNDUP MONT LINDS DAIRY	05 04 65	ND	ND	8.5E1	B	27
ROUNDUP MONT LINDS DAIRY	05 05 65	ND	ND	6.5E1	B	22
BEND OREGON BEND DAIRY	04 19 65	3.0E1	ND	1.2E2	B	14
BEND OREGON BEND DAIRY	04 20 65	ND	ND	1.2E2 NO		CHEM
BEND OREGON BEND DAIRY	04 21 65	ND	ND	9.5E1 NO		CHEM
BEND OREGON BEND DAIRY	04 22 65	ND	ND	1.2E2 NO		CHEM
BEND OREGON BEND DAIPY	04 24 65	ND	ND	1.1E2 NO		CHEM
BEND OREGON BEND DAIRY	04 26 65	ND	ND	1.1E2 NO		CHEM
HERMISTON ORE MAYFLOWER FARMS	04 19 65	ND	ND	3.0E1	B	13
HERMISTON ORE MAYFLOWER FARMS	04 20 65	ND	ND	4.0E1	B	19
HERMISTON ORE MAYFLOWER FARMS	04 20 65	ND	ND	1.1E2	B	19
HERMISTON ORE MAYFLOWER FARMS	04 22 65	ND	ND	5.0E1	B	13
HERMISTON ORE MAYFLOWER FARMS	04 23 65	ND	ND	6.5E1 NO		CHEM
HERMISTON ORE MAYFLOWER FARMS	04 25 65	ND	ND	7.5E1 NO		CHEM
HERMISTON ORE MAYFLOWER FARMS	04 28 65	ND	ND	5.5E1 NO		CHEM
KLAMATH FALLS OREGON CREAMERY	04 16 65	ND	ND	8.0E1	B	14
KLAMATH FALLS OREGON CREAMERY	04 17 65	ND	ND	1.0E2	B	22
KLAMATH FALLS OREGON CREAMERY	04 19 65	ND	ND	3.0E1 NO		CHEM
KLAMATH FALLS OREGON CREAMERY	04 24 65	ND	ND	1.1E2 NO		CHEM
KLAMATH FALLS OREGON CREAMERY	04 25 65	ND	ND	8.0E1 NO		CHEM
KLAMATH FALLS OREGON CREAMERY	04 26 65	ND	ND	7.0E1 NO		CHEM
LAKEVIEW ORE LAKEVIEW CREAMERY	04 19 65	ND	ND	7.5E1	B	18
LAKEVIEW ORE LAKEVIEW CREAMERY	04 20 65	ND	ND	8.0E1 NO		CHEM

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
LAKEVIEW ORE LAKEVIEW CREAMERY	04 24 65	ND	ND	6.5E1	NO	CHEM
LAKEVIEW ORE LAKEVIEW CREAMERY	04 26 65	ND	ND	8.5E1	NO	CHEM
REDMOND ORE KILGORE DAIRY CO	04 19 65	ND	ND	5.0E1	B	11
REDMOND ORE KILGORE DAIRY CO	04 20 65	ND	ND	4.0E1	B	24
REDMOND ORE KILGORE DAIRY CO	04 21 65	ND	ND	6.0E1	NO	CHEM
REDMOND ORE KILGORE DAIRY CO	04 24 65	ND	ND	7.0E1	NO	CHEM
REDMOND ORE KILGORE DAIRY CO	04 26 65	ND	ND	5.0E1	NO	CHEM
GARRISON UTAH GONDERS RANCH	04 15 65	ND	ND	1.0E2	B	5
GARRISON UTAH GONDERS RANCH	05 05 65	ND	ND	6.5E1	B	10
MT PLEASANT UTAH BROOKLAWN CRMY	04 17 65	ND	ND	1.2E2	B	23
MT PLEASANT UTAH BROOKLAWN CRMY	04 18 65	ND	ND	9.0E1	NO	CHEM
MT PLEASANT UTAH BROOKLAWN CRMY	04 19 65	ND	ND	4.0E1	NO	CHEM
MT PLEASANT UTAH BROOKLAWN CRMY	04 20 65	ND	ND	8.0E1	NO	CHEM
MT PLEASANT UTAH BROOKLAWN CRMY	04 21 65	ND	ND	1.2E2	B	19
MT PLEASANT UTAH BROOKLAWN CRMY	04 22 65	ND	ND	1.0E2	B	19
MT PLEASANT UTAH BROOKLAWN CRMY	04 23 65	ND	ND	1.1E2	B	17
OGDEN UTAH MAPLE LEAF DAIRY	04 17 65	ND	ND	1.3E2	NO	CHEM
OGDEN UTAH MAPLE LEAF DAIRY	04 18 65	ND	ND	1.0E2	NO	CHEM
OGDEN UTAH MAPLE LEAF DAIRY	04 18 65	ND	ND	1.1E2	NO	CHEM
OGDEN UTAH MAPLE LEAF DAIRY	04 20 65	ND	ND	8.5E1	B	26
SALT LAKE CITY UTAH	04 18 65	ND	ND	1.1E2	B	25
SALT LAKE CITY UTAH	04 19 65	ND	ND	1.2E2	B	26
SALT LAKE CITY UTAH	04 20 65	ND	ND	1.2E2	B	25
SALT LAKE CITY UTAH	04 21 65	ND	ND	1.1E2	NO	CHEM
SALT LAKE CITY UTAH	04 24 65	ND	ND	1.3E2	B	23
SALT LAKE CITY UTAH	04 26 65	ND	ND	1.1E2	NO	CHEM
SMITHFIELD UTAH CACHE VAL DAIRY	04 17 65	ND	ND	1.3E2	NO	CHEM
SMITHFIELD UTAH CACHE VAL DAIRY	04 19 65	ND	ND	1.4E2	NO	CHEM

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
SMITHFIELD UTAH CACHE VAL DAIRY	04 20 65	ND	ND	1.6E2	NO	CHEM
SMITHFIELD UTAH CACHE VAL DAIRY	04 21 65	ND	ND	1.2E2	B	33
SMITHFIELD UTAH CACHE VAL DAIRY	04 22 65	ND	ND	1.4E2	NO	CHEM
SMITHFIELD UTAH CACHE VAL DAIRY	04 23 65	ND	ND	1.4E2	NO	CHEM
SMITHFIELD UTAH CACHE VAL DAIRY	04 23 65	ND	ND	1.1E2	B	24
SMITHFIELD UTAH CACHE VAL DAIRY	04 26 65	ND	ND	1.3E2	NO	CHEM
SMITHFIELD UTAH CACHE VAL DAIRY	04 27 65	ND	ND	1.6E2	NO	CHEM
SPANISH FORK UTAH NELSON RICKS	04 16 65	ND	ND	1.3E2	B	26
SPANISH FORK UTAH NELSON RICKS	04 17 65	ND	ND	1.0E2	NO	CHEM
SPANISH FORK UTAH NELSON RICKS	04 18 65	ND	ND	1.3E2	NO	CHEM
SPANISH FORK UTAH NELSON RICKS	04 19 65	ND	ND	1.2E2	NO	CHEM
SPANISH FORK UTAH NELSON RICKS	04 21 65	ND	ND	1.3E2	NO	CHEM
SPANISH FORK UTAH NELSON RICKS	04 23 65	ND	ND	8.0E1	NO	CHEM
ST GEORGE UTAH R COX DAIRY	04 16 65	ND	ND	5.0E1	NO	CHEM
ST GEORGE UTAH R COX DAIRY	04 22 65	ND	ND	6.0E1	NO	CHEM
COLLEGE PLACE WASH COLLEGE DARY	04 17 65	ND	ND	6.0E1	B	8
COLLEGE PLACE WASH COLLEGE DARY	04 18 65	ND	ND	8.0E1	B	8
COLLEGE PLACE WASH COLLEGE DARY	04 19 65	ND	ND	5.5E1	B	11
COLLEGE PLACE WASH COLLEGE DARY	04 20 65	ND	ND	8.0E1	B	11
COLLEGE PLACE WASH COLLEGE DARY	04 21 65	ND	ND	5.5E1	NO	CHEM
COLLEGE PLACE WASH COLLEGE DARY	04 22 65	ND	ND	5.5E1	NO	CHEM
COLLEGE PLACE WASH COLLEGE DARY	04 23 65	ND	ND	6.0E1	B	8
KENNEWICK WASH TWIN CITY CRMRY	04 19 65	ND	ND	4.5E1	B	10
KENNEWICK WASH TWIN CITY CRMRY	04 20 65	ND	ND	4.5E1	B	17
KENNEWICK WASH TWIN CITY CRMRY	04 21 65	ND	ND	4.0E1	B	11
MOSES LAKE WASH	04 17 65	ND	ND	6.0E1	B	9
MOSES LAKE WASH	04 18 65	ND	ND	3.0E1	B	9
OMAK WASH MEADOWMOON DAIRY	04 19 65	ND	ND	1.1E2	B	31

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
OMAK WASH MEADOWMOON DAIRY	04 20 65	ND	ND	1.3E2	NO	CHEM
OMAK WASH MEADOWMOON DAIRY	04 23 65	ND	ND	9.5E1	B	15
OMAK WASH MEADOWMOON DAIRY	04 26 65	ND	ND	1.2E2	NO	CHEM
OMAK WASH MEADOWMOON DAIRY	04 27 65	ND	ND	1.0E2	NO	CHEM
OMAK WASH MEADOWMOON DAIRY	04 29 65	ND	ND	1.3E2	B	17
REPUBLIC WASH SAN POIL DAIRY	04 16 65	ND	ND	1.0E2	NO	CHEM
REPUBLIC WASH SAN POIL DAIRY	04 20 65	ND	ND	7.0E1	NO	CHEM
REPUBLIC WASH SAN POIL DAIRY	04 22 65	ND	ND	6.5E1	B	15
REPUBLIC WASH SAN POIL DAIRY	04 24 65	ND	ND	8.5E1	NO	CHEM
REPUBLIC WASH SAN POIL DAIRY	04 27 65	ND	ND	1.1E2	NO	CHEM
REPUBLIC WASH SAN POIL DAIRY	04 29 65	ND	ND	1.1E2	B	17
SPOKANE WASH CARNATION DAIRY-2	04 17 65	ND	ND	8.5E1	B	18
SPOKANE WASH CARNATION DAIRY-2	04 22 65	ND	ND	8.5E1	B	36
SPOKANE WASH CARNATION DAIRY-2	04 24 65	ND	ND	1.3E2	NO	CHEM
SPOKANE WASH CARNATION DAIRY-2	04 27 65	ND	ND	1.3E2	NO	CHEM
SPOKANE WASH CARNATION DAIRY-2	05 01 65	ND	ND	1.1E2	NO	CHEM
SPOKANE WASH CARNATION DAIRY-5	04 17 65	ND	ND	1.2E2	NO	CHEM
SPOKANE WASH CARNATION DAIRY-5	04 18 65	ND	ND	9.5E1	B	18
SPOKANE WASH CARNATION DAIRY-5	04 22 65	ND	ND	1.6E2	B	36
SPOKANE WASH CARNATION DAIRY-5	04 24 65	ND	ND	9.0E1	NO	CHEM
SPOKANE WASH CARNATION DAIRY-5	04 27 65	ND	ND	1.0E2	NO	CHEM
SPOKANE WASH CARNATION DAIRY-5	05 01 65	ND	ND	1.0E2	B	23
SPOKANE WASH DARIGOLD FARMS-1	04 19 65	ND	ND	1.2E2	NO	CHEM
SPOKANE WASH DARIGOLD FARMS-1	04 20 65	ND	ND	1.4E2	NO	CHEM
SPOKANE WASH DARIGOLD FARMS-1	04 21 65	ND	ND	1.2E2	NO	CHEM
SPOKANE WASH DARIGOLD FARMS-1	04 24 65	ND	ND	1.2E2	NO	CHEM
SPOKANE WASH DARIGOLD FARMS-1	04 26 65	ND	ND	1.1E2	B	28
SPOKANE WASH DARIGOLD FARMS-1	04 29 65	ND	ND	1.3E2	B	32

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
SPOKANE WASH DARIGOLD FARMS-3	04 19 65	ND	ND	9.0E1	NO	CHEM
SPOKANE WASH DARIGOLD FARMS-3	04 20 65	ND	ND	2.5E1	NO	CHEM
SPOKANE WASH DARIGOLD FARMS-3	04 21 65	ND	ND	1.0E2	NO	CHEM
SPOKANE WASH DARIGOLD FARMS-3	04 24 65	ND	ND	9.0E1	B	15
SPOKANE WASH DARIGOLD FARMS-3	04 26 65	ND	ND	9.5E1	NO	CHEM
SPOKANE WASH DARIGOLD FARMS-3	04 28 65	ND	ND	9.5E1	B	25
YAKIMA WASH YAKIMA CITY CRMRY	04 18 65	ND	ND	5.0E1	NO	CHEM
YAKIMA WASH YAKIMA CITY CRMRY	04 19 65	ND	ND	3.0E1	NO	CHEM
YAKIMA WASH YAKIMA CITY CRMRY	04 21 65	ND	ND	3.0E1	NO	CHEM
YAKIMA WASH YAKIMA CITY CRMRY	04 22 65	ND	ND	6.5E1	B	8
YAKIMA WASH YAKIMA CITY CRMRY	04 23 65	ND	ND	5.0E1	NO	CHEM
YAKIMA WASH YAKIMA CITY CRMRY	04 26 65	ND	ND	4.5E1	NO	CHEM
YAKIMA WASH YAKIMA CITY CRMRY	05 02 65	ND	ND	8.0E1	B	11
CASPER WYO BEATRICE FOODS INC	04 17 65	ND	ND	4.5E1	B	21
CASPER WYO BEATRICE FOODS INC	04 17 65	ND	ND	8.5E1	NO	CHEM
CASPER WYO BEATRICE FOODS INC	04 19 65	ND	ND	6.0E1	NO	CHEM
CASPER WYO BEATRICE FOODS INC	04 20 65	ND	ND	6.0E1	NO	CHEM
CASPER WYO BEATRICE FOODS INC	04 21 65	ND	ND	2.0E1	NO	CHEM
CASPER WYO BEATRICE FOODS INC	04 22 65	ND	ND	2.5E1	B	11
CASPER WYO BEATRICE FOODS INC	04 26 65	ND	ND	3.5E1	NO	CHEM
CHEYENNE WYO DAIRY GOLD FOODS	04 17 65	ND	ND	4.0E1	NO	CHEM
CHEYENNE WYO DAIRY GOLD FOODS	04 19 65	ND	ND	4.5E1	NO	CHEM
CHEYENNE WYO DAIRY GOLD FOODS	04 20 65	ND	ND	4.0E1	B	12
CHEYENNE WYO DAIRY GOLD FOODS	04 21 65	ND	ND	5.0E1	B	12
CHEYENNE WYO DAIRY GOLD FOODS	04 23 65	ND	ND	4.0E1	NO	CHEM
CHEYENNE WYO DAIRY GOLD FOODS	04 26 65	ND	ND	5.5E1	NO	CHEM
CHEYENNE WYO DAIRY GOLD FOODS	04 27 65	ND	ND	5.5E1	NO	CHEM
POWELL WYO CREAM OF THE VAL DRY	04 17 65	ND	ND	8.0E1	B	16

Appendix V (continued)

LOCATION	DATE COL.	I131	I133	CS137	SR89	SR90
POWELL WYO CREAM OF THE VAL DRY	04 18 65	ND	ND	2.2E2	B	16
POWELL WYO CREAM OF THE VAL DRY	04 18 65	ND	ND	7.5E1	B	15
POWELL WYO CREAM OF THE VAL DRY	04 20 65	ND	ND	4.5E1	B	15
POWELL WYO CREAM OF THE VAL DRY	04 21 65	ND	ND	7.5E1	B	16
POWELL WYO CREAM OF THE VAL DRY	04 22 65	ND	ND	7.5E1 NO		CHEM
POWELL WYO CREAM OF THE VAL DRY	04 23 65	ND	ND	7.5E1 NO		CHEM
RAWLINS WYO WYO DAIRY PRODUCTS	04 16 65	ND	ND	5.5E1 NO		CHEM
RAWLINS WYO WYO DAIRY PRODUCTS	04 19 65	ND	ND	8.0E1 NO		CHEM
RAWLINS WYO WYO DAIRY PRODUCTS	04 19 65	ND	ND	1.1E2 NO		CHEM
RAWLINS WYO WYO DAIRY PRODUCTS	04 21 65	ND	ND	7.0E1 NO		CHEM
RAWLINS WYO WYO DAIRY PRODUCTS	04 21 65	ND	ND	5.5E1 NO		CHEM
RAWLINS WYO WYO DAIRY PRODUCTS	04 22 65	ND	ND	1.2E2 NO		CHEM
RAWLINS WYO WYO DAIRY PRODUCTS	04 23 65	ND	ND	5.5E1 NO		CHEM
RIVERTON WYO MORNING STAR DAIRY	04 17 65	ND	ND	8.0E1 NO		CHEM
RIVERTON WYO MORNING STAR DAIRY	04 24 65	ND	ND	5.5E1	B	15
RIVERTON WYO MORNING STAR DAIRY	04 26 65	ND	ND	5.5E1 NO		CHEM
RIVERTON WYO MORNING STAR DAIRY	04 28 65	ND	ND	7.5E1	B	16
RIVERTON WYO MORNING STAR DAIRY	05 01 65	ND	ND	7.0E1	B	19
RIVERTON WYO MORNING STAR DAIRY	05 03 65	ND	ND	6.5E1	B	19
SHERIDAN WYO JERSEY CREAMERY	04 17 65	ND	ND	1.3E2 NO		CHEM
SHERIDAN WYO JERSEY CREAMERY	04 20 65	ND	ND	1.2E2 NO		CHEM
SHERIDAN WYO JERSEY CREAMERY	04 20 65	ND	ND	7.5E1 NO		CHEM

PALANQUIN TECHNICAL REPORTS

Report No.	Agency	Author	Title
PNE-900F	LRL/EGG	R. Rohrer	Ground Motion and Cloud Photography
PNE-901F	LRL	C. Sisemore	Sub-Surface Effects
PNE-902F	SC	L. Vortman	Close-in Air Blast from a Cratering Nuclear Detonation in Rhyolite
PNE-903F	SC	J. Reed	Long-Range Air Blast
PNE-904F	NCG	F. Videon	Crater Topography
PNE-905F	NCG	P. Fisher	Pre-Shot Geological and Engineering Properties Investigations
PNE-906F	LRL/N	L. Meyer	Geophysical Studies
PNE-907F	LRL	T. Gibson et al	Hazards Evaluation Measurements
PNE-908F	EG&G, Inc.	R. Rohrer	Scientific Photography
PNE-909F	LRL	J. Miskel N. Bonner et al	Radiochemical Studies
PNE-910F	USPHS	J. Coogan	Off-Site Surveillance
PNE-911F	REECo	B. Ubanks	On-Site Radiological Safety
PNE-912F	USWB		Weather and Radiation Support Activities
PNE-913F	R. F. Beers Inc.	L. Davis	Analysis of Surface Seismic Data